S 6270-1

Ohio Labor Market Information

Labor Market Review

July 1990

Summary. The seasonally adjusted unemployment rate in Ohio rose from 5.2 percent in June to 5.7 percent in July. The U.S. rate also increased over the month, going from 5.2 percent to 5.5 percent. Ohio's total employment dropped 31,000 from June to 5,104,000 in July. There were 307,000 jobless Ohioans in July, up 23,000 from June. Nonagricultural wage and salary employment (seasonally adjusted) totaled 4,927,000 in July, down fractionally from June. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries declined 6,000 from June to 1,335,000 in July. Decreases in transportation equipment and primary metal industries lowered durable-goods employment 4,000 to 746,000. Nondurable-goods employment, at 373,000, was down 1,000 due to losses in rubber and miscellaneous plastics products. A decline in general building contractors lowered construction employment 1,000 to 198,000 in July, while mining employment remained at 18,000.

Service-Producing Industries. There were 3,592,000 people employed in service-producing industries in July, up 5,000 from June. Services added 5,000 jobs, while wholesale trade increased 1,000. Little change occurred in transportation and public utilities, retail trade, or finance, insurance, and real estate. The loss of temporary census workers was partially offset by an increase in local education, lowering government employment 1,000 from June.

Over the Year. Ohio's unemployment rate increased from 5.5 percent in July 1989 to 5.7 percent in July 1990. The national rate rose from 5.3 percent to 5.5 percent over the year. Total employment in Ohio was down 20,000 from July 1989, while total unemployment was 11,000 higher. Since July 1989, nonfarm payroll employment advanced 118,000. The largest gains were in services (+41,000), retail trade (+33,000), and government (+16,000). Wholesale trade and construction also had notable increases. Manufacturing employment rose 1,000 over the year. Scattered gains among producers of nondurable goods, especially printing and publishing, counterbalanced declines in industrial machinery and equipment and in electronic and other electric equipment.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $535.09 per week in July, down $12.73 from June. Their average workweek declined 0.6 hours to 42.4 hours. Most industries had decreased earnings due to less overtime in July. The most significant were motor vehicles and equipment, iron and steel foundries, metal forgings and stampings, and blast furnace and basic steel products.

Benefits and Costs. There were 66,696 initial claims filed under the Ohio Unemployment Compensation Law in July, up 75.1 percent from June and up 6.5 percent from July 1989.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

Total benefits paid declined 5.7 percent to $44.8 million. The average weekly benefit check of $166.25 was 54 cents lower than in June. The average weekly number of benefit recipients, at 66,915, was down 1.2 percent. At the end of July, there were 207,019 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 34,159 new job applicants in July, up 4.8 percent from June, and up 26.4 percent from July 1989. The Employment Services Division made 25,314 job referrals and 7,342 placements in July, up 9.0 percent and 14.5 percent from June, respectively.

Collection Method Alternatives For the *Report on Employment, Payroll, and Hours*

Service-sector employers of one hundred or more workers will soon be given the opportunity to report their monthly data by telephone at a convenient, prearranged time. Interviewers will telephone employers once each month to collect data, doing away with the familiar but less efficient mailed shuttle schedule.

If you are a large employer in services, information on this pilot project will be reaching your mailbox in the near future.

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Ohio

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jul. 1990	Jun. 1990	Jul. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,411	5,419	5,420	-8	-9	-.1	-.2
Employment	5,104	5,135	5,124	-31	-20	-.6	-.4
Unemployment	307	284	296	23	11	8.1	3.7
Unemployment Rate	5.7	5.2	5.5				
Employer Survey Data[e]							
Total	4,927	4,928	4,809	-1	118	.0	2.5
Goods-Producing Industries	1,335	1,341	1,325	-6	10	-.5	.8
Mining	18	18	15	0	3	-.4	19.8
Coal Mining	7	8	5	0	3	-.4	62.5
Oil and Gas Extraction	6	6	6	0	0	-1.0	-1.1
Construction	198	199	192	-1	6	-.5	3.3
General Building Contractors	47	47	46	-1	1	-1.4	1.6
Heavy Construction, Except Building	22	23	23	0	-1	-1.3	-2.3
Special Trade Contractors	129	129	123	0	6	.0	4.9
Manufacturing	1,119	1,124	1,118	-5	1	-.5	.1
Durable Goods	746	750	749	-4	-4	-.6	-.5
Lumber and Wood Products	23	23	22	0	1	-.1	4.8
Furniture and Fixtures	15	15	15	0	0	-1.2	-1.5
Stone, Clay, and Glass Products	46	46	45	0	0	-.5	.4
Primary Metal Industries	100	101	102	-1	-1	-.8	-1.3
Fabricated Metal Products	137	136	136	1	1	.4	.7
Industrial Machinery and Equipment	167	166	169	0	-2	.1	-1.1
Electronic and Other Electric Equipment	78	78	79	0	-2	-.2	-2.1
Transportation Equipment	139	142	139	-3	0	-2.4	.0
Instruments and Related Products	26	26	27	0	-1	-.8	-3.4
Nondurable Goods	373	374	369	-1	4	-.2	1.2
Food and Kindred Products	63	64	63	0	1	-.3	1.1
Apparel and Other Textile Products	15	15	15	0	0	.0	1.0
Paper and Allied Products	38	38	38	0	0	.6	-.3
Printing and Publishing	76	76	74	0	2	.5	3.0
Chemicals and Allied Products	66	66	65	0	1	.1	1.7
Rubber and Misc. Plastics Products	96	97	96	-1	0	-1.3	.4
Service-Producing Industries	3,592	3,587	3,484	5	108	.1	3.1
Transportation and Public Utilities	219	219	215	0	4	.1	1.8
Transportation	130	129	124	1	5	.5	4.1
Communications, Electric, Gas Services	89	90	91	0	-1	-.5	-1.3

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jul. 1990	Jun. 1990	Jul. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	273	272	264	1	9	.3	3.3
Wholesale Trade-Durable Goods	173	172	167	0	5	.2	3.0
Wholesale Trade-Nondurable Goods	100	100	97	0	4	.4	3.7
Retail Trade	937	937	904	0	33	.1	3.7
Building Materials and Garden Supplies	36	36	35	0	2	.2	4.3
General Merchandise Stores	130	129	127	0	3	.1	2.4
Food Stores	144	144	140	0	4	.1	2.9
Automotive Dealers and Service Stations	102	102	99	0	4	.2	3.6
Apparel and Accessory Stores	53	52	49	0	4	.8	8.6
Furniture and Homefurnishings Stores	34	34	32	0	2	-.1	6.1
Eating and Drinking Places	315	316	308	0	7	-.1	2.3
Miscellaneous Retail	123	123	115	0	8	.0	7.1
Finance, Insurance, and Real Estate	257	257	253	0	5	.1	1.8
Finance	121	121	120	0	1	.2	.8
Depository Institutions	91	91	91	0	0	.0	.0
Insurance	93	93	91	0	2	.2	2.1
Real Estate	43	44	42	0	2	-.2	4.2
Services	1,182	1,177	1,141	5	41	.4	3.6
Hotels and Other Lodging Places	39	39	38	0	1	.1	1.9
Personal Services	55	55	53	0	1	.2	2.7
Business Services	217	216	204	1	13	.6	6.4
Amusements, Including Motion Pictures	57	56	59	0	-2	.3	-4.0
Health Services	397	397	385	0	12	.0	3.1
Legal Services	30	30	28	0	2	.5	6.4
Educational Services	60	60	59	0	1	.2	1.5
Social Services	76	75	73	1	3	1.2	4.6
Membership Organizations	81	81	78	0	3	.5	3.9
Engineering and Management Services	88	87	85	1	3	1.1	3.3
Government	723	725	707	-1	16	-.2	2.3
Federal Government	96	100	97	-4	-2	-3.9	-1.8
State Government	162	163	158	-1	5	-.4	2.9
State Government Education	84	84	82	0	2	.1	2.9
Local Government	465	462	452	3	14	.7	3.0
Local Government Education	271	268	264	3	7	1.1	2.7

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1988
5,294	5,000	294	5.6	5.5	July
5,311	5,007	304	5.7	5.6	August
5,283	4,966	317	6.0	5.4	September
5,333	5,038	295	5.5	5.3	October
5,362	5,063	299	5.6	5.3	November
5,350	5,060	290	5.4	5.3	December
					1989
5,399	5,078	321	5.9	5.4	January
5,386	5,109	277	5.1	5.2	February
5,403	5,116	287	5.3	5.0	March
5,374	5,090	284	5.3	5.3	April
5,409	5,116	293	5.4	5.2	May
5,445	5,142	303	5.6	5.3	June
5,420	5,124	296	5.5	5.3	July
5,427	5,162	265	4.9	5.3	August
5,441	5,153	288	5.3	5.3	September
5,462	5,135	327	6.0	5.3	October
5,415	5,081	334	6.2	5.3	November
5,442	5,110	332	6.1	5.3	December
					1990
5,426	5,060	366	6.7	5.3	January
5,372	5,061	311	5.8	5.3	February
5,402	5,107	295	5.5	5.2	March
5,417	5,098	319	5.9	5.4	April
5,428	5,107	321	5.9	5.3	May
5,419	5,135	284	5.2	5.2	June
5,411	5,104	307	5.7	5.5	July

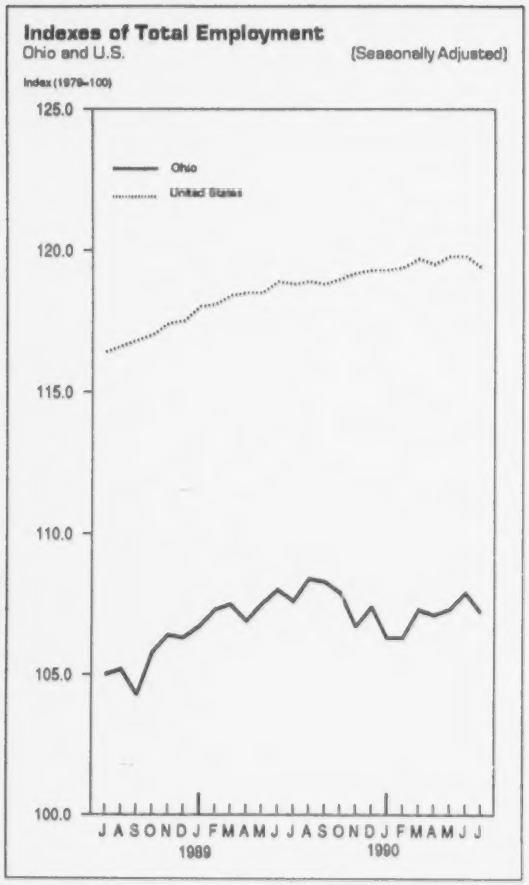
Ohio Nonagricultural Wage and Salary Employment
(In Thousands)

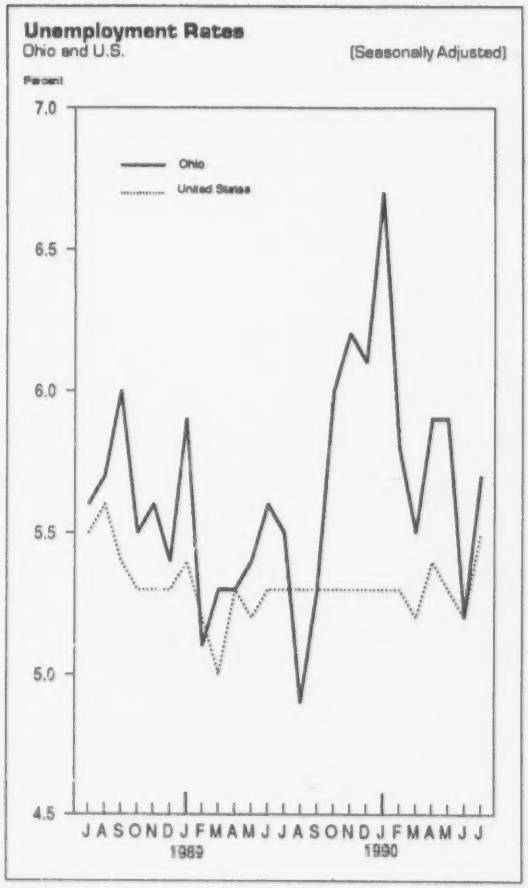
Nonagricultural Employment					
	Goods-Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
					1988
4,713	1,319	19	186	1,114	July
4,713	1,317	19	186	1,112	August
4,727	1,320	19	186	1,115	September
4,732	1,322	18	184	1,119	October
4,745	1,325	18	186	1,121	November
4,761	1,329	18	188	1,123	December
					1989
4,775	1,338	18	191	1,128	January
4,796	1,340	18	194	1,128	February
4,817	1,342	18	194	1,130	March
4,791	1,336	18	193	1,125	April
4,795	1,332	18	190	1,125	May
4,809	1,335	18	192	1,126	June
4,809	1,325	15	192	1,118	July
4,828	1,335	18	193	1,124	August
4,835	1,334	18	193	1,122	September
4,834	1,324	18	194	1,112	October
4,850	1,332	18	196	1,119	November
4,862	1,334	18	197	1,119	December
					1990
4,848	1,312	18	198	1,097	January
4,892	1,341	18	199	1,124	February
4,905	1,340	18	200	1,122	March
4,904	1,340	18	199	1,122	April
4,917	1,337	18	198	1,121	May
4,928	1,341	18	199	1,124	June
4,927	1,335	18	198	1,119	July

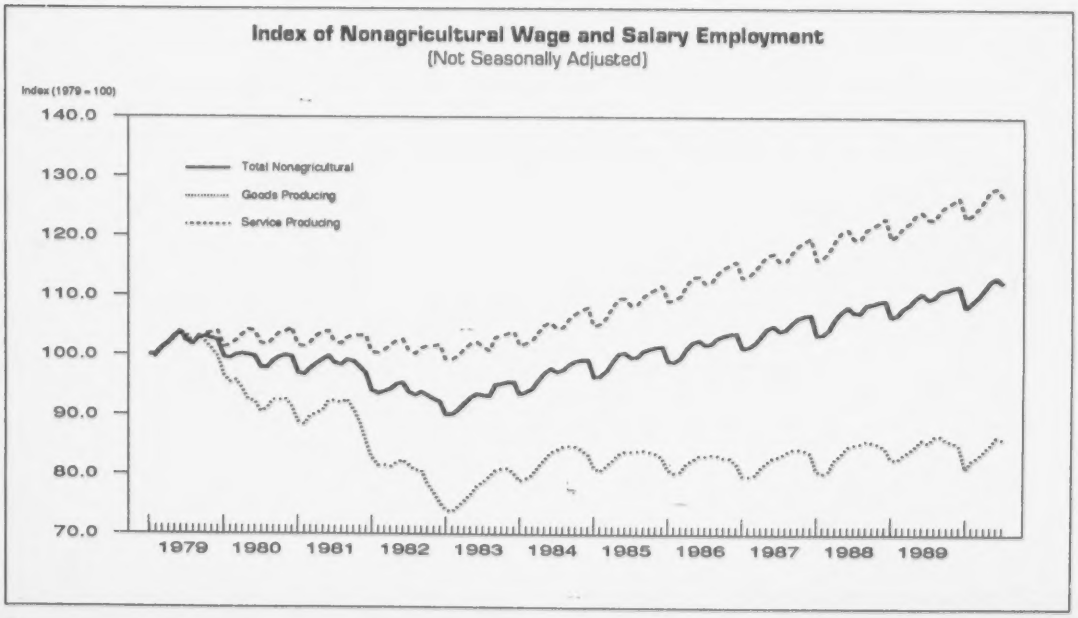
Service-Producing Employment
(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1988				1988		
3,393	213	July	258	879	249	July	1,099	695
3,396	214	August	258	881	249	August	1,105	689
3,407	213	September	258	881	249	September	1,109	696
3,410	212	October	259	879	249	October	1,112	698
3,419	213	November	260	881	249	November	1,116	700
3,432	214	December	260	886	250	December	1,123	700
		1989				1989		
3,437	215	January	261	889	250	January	1,124	699
3,456	215	February	261	897	251	February	1,130	701
3,475	215	March	262	905	252	March	1,137	703
3,455	215	April	261	896	251	April	1,131	702
3,463	215	May	262	896	251	May	1,133	704
3,474	215	June	263	900	252	June	1,138	704
3,484	215	July	264	904	253	July	1,141	707
3,494	216	August	265	906	253	August	1,145	708
3,501	216	September	266	909	254	September	1,148	708
3,509	217	October	267	913	254	October	1,148	711
3,518	217	November	267	916	255	November	1,152	710
3,527	218	December	268	919	255	December	1,156	711
		1990				1990		
3,535	219	January	269	926	256	January	1,154	711
3,551	219	February	269	931	257	February	1,159	717
3,565	220	March	270	934	257	March	1,166	719
3,564	218	April	270	932	257	April	1,168	719
3,580	218	May	271	933	257	May	1,172	728
3,587	219	June	272	937	257	June	1,177	725
3,592	219	July	273	937	257	July	1,182	723

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.


Indexes of Total Employment
Ohio and U.S.
(Seasonally Adjusted)
Index (1979=100)
125.0
120.0
115.0
110.0
105.0
100.0
Ohio
United States
J A S O N D J F M A M J J A S O N D J F M A M J J
1989
1990


Unemployment Rates
Ohio and U.S.
(Seasonally Adjusted)
Percent
7.0
6.5
6.0
5.5
5.0
4.5
Ohio
United States
J A S O N D J F M A M J J A S O N D J F M A M J J
1989
1990


Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)
Index (1979 = 100)
140.0
130.0
120.0
110.0
100.0
90.0
80.0
70.0
Total Nonagricultural
Goods Producing
Service Producing
1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
					1989
5,483	5,210	273	5.0	5.3	July
5,481	5,223	259	4.7	5.1	August
5,425	5,158	267	4.9	5.1	September
5,477	5,169	308	5.6	5.0	October
5,434	5,113	321	5.9	5.2	November
5,421	5,094	328	6.0	5.1	December
					1990
5,391	4,979	412	7.6	5.9	January
5,344	4,998	346	6.5	5.8	February
5,353	5,035	318	5.9	5.4	March
5,373	5,071	302	5.6	5.2	April
5,409	5,104	305	5.6	5.1	May
5,481	5,179	302	5.5	5.3	June
5,472	5,194	278	5.1	5.5	July

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

Nonagricultural Employment					
	Goods–Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
4,484.8	1,596.8	31.6	182.9	1,382.3	1979
4,367.4	1,462.5	30.7	167.4	1,264.3	1980
4,317.7	1,417.0	30.7	153.7	1,232.6	1981
4,124.3	1,264.8	30.3	134.6	1,099.9	1982
4,092.5	1,223.4	26.6	130.8	1,066.0	1983
4,260.2	1,299.7	27.8	144.8	1,127.0	1984
4,372.9	1,304.3	26.1	154.0	1,124.2	1985
4,471.4	1,293.1	22.6	160.7	1,109.8	1986
4,582.6	1,296.2	20.9	176.4	1,098.9	1987
4,700.6	1,315.1	18.9	185.6	1,110.6	1988
4,817.2	1,333.9	17.8	193.1	1,123.0	1989
					1989
4,815.3	1,343.2	15.4	209.6	1,118.2	July
4,830.3	1,358.7	18.5	212.3	1,128.0	August
4,877.8	1,361.7	18.5	211.8	1,131.4	September
4,885.7	1,347.1	18.6	212.3	1,116.3	October
4,900.8	1,346.8	18.3	205.5	1,123.0	November
4,909.6	1,335.6	18.1	195.8	1,121.7	December
					1990
4,752.1	1,275.5	17.6	170.6	1,087.3	January
4,790.2	1,297.3	17.3	166.2	1,113.8	February
4,834.5	1,307.0	17.5	174.7	1,114.8	March
4,889.3	1,324.4	17.7	188.3	1,118.4	April
4,949.2	1,338.0	18.0	199.6	1,120.5	May
4,977.7	1,357.5	18.4	209.5	1,129.7	June
4,932.6	1,353.6	18.5	216.3	1,118.8	July

Service–Producing Employment
(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,888.0	232.1	1979	234.0	741.2	200.6	1979	806.2	674.0
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.3	215.9	1989	264.0	904.2	252.6	1989	1,140.8	705.7
		1989				1989		
3,472.1	217.5	July	265.8	910.3	255.9	July	1,158.8	663.8
3,471.5	218.5	August	265.7	915.4	256.1	August	1,160.0	655.8
3,516.0	219.0	September	266.0	916.8	254.9	September	1,165.8	693.6
3,538.6	219.4	October	268.0	919.7	254.1	October	1,156.2	721.2
3,554.0	219.4	November	268.5	933.3	254.3	November	1,152.0	726.5
3,574.0	220.4	December	269.6	949.1	254.7	December	1,150.5	729.7
		1990				1990		
3,476.5	213.7	January	266.4	905.9	253.6	January	1,122.6	714.2
3,492.9	213.7	February	266.2	897.5	253.8	February	1,133.2	728.6
3,527.5	215.0	March	267.7	906.6	255.0	March	1,147.7	735.5
3,564.8	216.5	April	269.5	922.0	255.5	April	1,167.6	733.7
3,611.1	218.6	May	271.5	936.7	256.8	May	1,180.4	747.2
3,620.2	220.7	June	274.0	945.9	259.3	June	1,196.9	723.4
3,579.0	221.4	July	274.7	943.7	260.5	July	1,199.6	679.1

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,382.3	978.1	404.2	1979	979.0	$318.5	40.6
1,264.3	880.3	384.1	1980	867.8	301.9	35.2
1,232.6	858.2	374.4	1981	847.7	330.4	34.7
1,099.9	750.5	349.4	1982	735.7	297.1	29.5
1,066.0	721.9	344.1	1983	721.6	315.5	29.9
1,127.0	771.7	355.4	1984	781.5	362.3	33.1
1,124.2	767.0	357.3	1985	773.4	369.7	32.5
1,109.8	751.0	358.8	1986	758.5	369.1	31.9
1,098.9	738.9	360.0	1987	751.4	375.5	32.0
1,110.6	747.3	363.4	1988	762.3	393.0	32.8
1,123.0	753.2	369.8	1989	770.6	403.4	32.9
			1989			
1,118.2	748.2	370.0	July	767.2	390.9	32.1
1,128.0	754.9	373.1	August	774.0	398.2	32.6
1,131.4	755.5	375.9	September	776.2	408.6	33.1
1,116.3	742.1	374.2	October	765.6	398.9	32.5
1,123.0	749.5	373.5	November	770.4	405.9	32.9
1,121.7	750.0	371.7	December	769.6	405.9	32.8
			1990			
1,087.3	719.3	368.0	January	735.8	376.7	30.9
1,113.8	745.8	368.0	February	761.0	394.7	31.9
1,114.8	746.1	368.7	March	761.9	403.1	32.2
1,118.4	748.5	369.9	April	765.2	395.7	31.8
1,120.5	749.3	371.2	May	766.2	415.5	32.8
1,129.7	754.2	375.5	June	772.7	423.3	33.2
1,118.8	744.3	374.5	July	760.6	407.0	32.2

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings		
Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods
$325.36	$335.30	$297.78	1979	41.5	41.6	41.1	1979	$7.84	$8.06	$7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
515.57	538.16	466.31	1988	43.0	43.4	42.2	1988	11.99	12.40	11.05
523.50	542.23	478.19	1989	42.7	43.0	41.8	1989	12.26	12.61	11.44
			1989				1989			
509.50	526.23	474.44	July	41.9	42.2	41.4	July	12.16	12.47	11.46
514.46	530.02	478.40	August	42.1	42.3	41.6	August	12.22	12.53	11.50
526.49	545.67	484.15	September	42.7	43.0	42.1	September	12.33	12.69	11.50
521.10	539.30	482.69	October	42.4	42.7	41.9	October	12.29	12.63	11.52
526.92	545.24	484.68	November	42.7	43.0	42.0	November	12.34	12.68	11.54
527.39	546.12	485.62	December	42.6	42.9	41.9	December	12.38	12.73	11.59
			1990				1990			
511.98	524.15	485.72	January	42.0	42.1	41.8	January	12.19	12.45	11.62
518.72	536.36	478.67	February	41.9	42.2	41.3	February	12.38	12.71	11.59
529.17	548.26	483.89	March	42.3	42.6	41.5	March	12.51	12.87	11.66
517.09	534.18	478.06	April	41.5	41.7	41.0	April	12.46	12.81	11.66
542.28	564.19	493.08	May	42.8	43.2	42.0	May	12.67	13.06	11.74
547.82	571.14	497.12	June	43.0	43.4	42.2	June	12.74	13.16	11.78
535.09	553.37	494.00	July	42.4	42.6	41.9	July	12.62	12.99	11.79

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment

(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
67.0	158.9	175.3	1979	232.1	106.8	165.3	1979	74.4	67.6	109.3
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.7	102.2	136.3	1989	167.6	79.5	141.8	1989	63.2	73.9	96.4
			1989				1989			
46.1	101.0	134.9	July	168.8	79.2	137.7	July	63.2	74.0	95.4
46.5	102.4	135.0	August	168.0	79.3	142.4	August	64.4	74.2	96.8
46.3	102.8	137.1	September	167.9	80.2	139.8	September	66.7	74.6	97.4
45.9	100.3	135.3	October	163.6	79.4	136.4	October	64.9	74.8	97.6
45.9	100.8	136.2	November	167.1	79.6	139.0	November	63.8	75.0	97.6
45.3	100.6	136.0	December	168.0	79.0	140.8	December	63.4	75.0	96.7
			1990				1990			
44.2	98.8	130.5	January	167.6	78.4	120.6	January	63.3	74.6	94.7
44.3	100.7	134.2	February	167.2	78.5	142.1	February	62.5	74.8	94.9
45.0	100.9	134.1	March	167.0	78.3	141.6	March	62.2	74.7	95.5
45.6	100.8	134.9	April	166.6	78.3	142.4	April	62.5	74.8	96.2
45.7	101.2	135.3	May	167.0	77.8	142.1	May	62.6	75.4	96.7
46.6	101.7	136.8	June	167.3	77.7	143.3	June	63.7	75.9	97.7
46.3	99.6	135.9	July	167.0	77.5	137.4	July	63.9	76.2	95.8

Average Weekly Earnings of Production Workers

$293.34	$395.43	$343.38	1979	$329.09	$289.27	$391.56	1979	$304.50	$302.62	$300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
			1989				1989			
477.28	607.26	498.42	July	515.10	445.21	676.67	July	462.42	449.26	445.82
480.22	613.02	490.28	August	515.95	457.73	682.78	August	468.42	448.14	444.56
476.43	628.97	523.13	September	528.04	458.97	720.50	September	458.05	468.00	451.78
490.05	610.42	507.78	October	526.90	460.37	711.67	October	457.03	467.63	440.15
488.91	616.07	512.68	November	534.69	462.31	720.72	November	467.58	478.67	440.35
471.10	618.02	502.80	December	538.46	462.44	717.05	December	473.18	482.26	433.54
			1990				1990			
473.59	605.12	489.82	January	520.15	459.26	670.64	January	476.57	470.00	442.21
476.86	601.51	505.44	February	532.16	464.80	683.12	February	454.40	471.22	442.90
484.79	618.62	512.36	March	535.62	457.97	718.39	March	458.27	472.42	446.13
494.79	636.41	493.61	April	509.60	437.80	691.32	April	445.61	458.25	434.42
495.79	657.34	531.48	May	547.67	456.65	742.29	May	469.83	465.71	460.82
498.10	672.04	533.68	June	548.97	458.59	758.62	June	476.40	467.68	467.99
487.60	642.91	509.62	July	548.14	457.25	725.19	July	474.43	470.84	461.16

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	4932.6	4977.7	4815.3	-45.1	117.3
Goods-Producing Industries	1353.6	1357.5	1343.2	-3.9	10.3
Mining	18.5	18.4	15.4	.1	3.0
Coal Mining	7.5	7.5	4.6[f]	.0	2.9
Oil and Gas Extraction	5.7	5.6	5.7	.0	-.1
Construction	216.3	209.5	209.6	6.8	6.7
General Building Contractors	50.4	49.3	49.6	1.1	.8
Nonresidential Building Construction	24.7	24.3	25.2	.4	-.5
Heavy Construction, Except Building	26.6	25.7	27.3	1.0	-.6
Highway and Street Construction	9.6	9.3	10.2	.4	-.6
Special Trade Contractors	139.3	134.5	132.7	4.8	6.6
Manufacturing	1118.8	1129.7	1118.2	-10.9	.6
Durable Goods[f]	744.3	754.2	748.2	-9.9	-3.8
Lumber and Wood Products	24.0	23.8	22.8	.2	1.1
Millwork, Plywood and Structural Members	10.8	10.8	10.4	.1	.4
Furniture and Fixtures	15.3	15.4	15.5	-.2	-.2
Stone, Clay, and Glass Products	46.3	46.6	46.1	-.3	.2
Primary Metal Industries	99.6	101.7	101.0	-2.1	-1.4
Blast Furnace and Basic Steel Products	46.9	47.0	47.7	-.2	-.8
Iron and Steel Foundries	19.2	20.1	19.2	-.9	.0
Nonferrous Rolling and Drawing	15.8	16.6	16.3	-.8	-.4
Nonferrous Foundries	10.5	10.7	10.6	-.3	-.1
Fabricated Metal Products	135.9	136.8	134.9	-.9	1.0
Fabricated Structural Metal Products	30.2	30.3	30.5	-.1	-.3
Metal Forgings and Stampings	39.0	39.3	38.0	-.3	1.0
Industrial Machinery and Equipment	167.0	167.3	168.8	-.3	-1.9
Construction and Related Machinery	14.4	14.5	14.4	-.1	.0
Metalworking Machinery	47.4	47.2	48.5	.2	-1.1
Special Industry Machinery	17.1	17.3	17.3	-.2	-.2
General Industrial Machinery	26.0	26.0	26.3	.1	-.2
Computer and Office Equipment	11.5	11.3	11.5	.2	.1
Refrigeration and Service Machinery	15.5	15.9	16.7	-.4	-1.2
Electronic and Other Electric Equipment	77.5	77.7	79.2	-.3	-1.7
Electrical Industrial Apparatus	12.1	12.0	12.6	.0	-.5
Household Appliances	15.5	15.6	15.4	.0	.2
Electric Lighting and Wiring Equipment	16.2	16.4	16.5	-.2	-.2
Electronic Components and Accessories	11.4	11.5	11.4	-.1	.0
Transportation Equipment	137.4	143.3	137.7	-5.8	-.3
Motor Vehicles and Equipment	91.6	97.3	92.0	-5.7	-.3
Aircraft and Parts	36.9	37.0	36.6	-.1	.3
Instruments and Related Products	25.9	26.0	26.8	-.1	-.9
Measuring and Controlling Devices	15.8	15.9	16.4	-.1	-.5
Nondurable Goods[g]	374.5	375.5	370.0	-1.0	4.5
Food and Kindred Products	63.9	63.7	63.2	.2	.7
Dairy Products	10.8	10.8	10.3	.1	.5
Preserved Fruits and Vegetables	10.4	10.6	10.2	-.2	.2
Bakery Products	9.6	9.7	9.8	-.1	-.2
Apparel and Other Textile Products	15.0	15.2	14.9	-.2	.1
Paper and Allied Products	38.0	37.7	38.1	.3	-.1
Paperboard Containers and Boxes	13.9	13.8	13.8	.1	.2
Miscellaneous Converted Paper Products	12.3	12.4	12.3	.0	.1
Printing and Publishing	76.2	75.9	74.0	.3	2.3
Newspapers	19.4	19.3	18.6	.1	.8
Commercial Printing	27.8	27.7	27.3	.1	.6
Chemicals and Allied Products	67.1	66.9	66.0	.3	1.1
Plastics Materials and Synthetics	9.9	9.9	9.9	.0	.0
Rubber and Miscellaneous Plastics Products	95.8	97.7	95.4	-1.9	.4
Tires and Inner Tubes	16.0	16.0	15.6	.0	.4
Miscellaneous Plastics Products	57.7	59.1	57.1	-1.4	.6
Service-Producing Industries	3579.0	3620.2	3472.1	-41.1	106.9
Transportation and Public Utilities	221.4	220.7	217.5	.7	3.9
Transportation	131.1	130.4	126.0	.7	5.1
Railroad Transportation	12.3	12.3	13.1	.0	-.8
Trucking and Warehousing	78.6	77.6	75.7	1.0	3.0
Transportation by Air	14.4	14.3	13.3	.1	1.1
Communications, Electric, Gas Services	90.3	90.3	91.5	.0	-1.2
Communications	46.6	46.6	47.7	.0	-1.1
Electric, Gas, and Sanitary Services	43.8	43.7	43.9	.0	-.1

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Wholesale Trade	274.7	274.0	265.8	.7	8.9
Wholesale Trade-Durable Goods	173.7	173.2	168.6	.5	5.1
Motor Vehicles, Parts, and Supplies	23.1	23.1	23.0	.0	.1
Professional and Commercial Equipment	33.3	33.1	32.3	.1	1.0
Metals and Minerals, Except Petroleum	11.6	11.4	11.2	.1	.3
Electrical Goods	19.0	19.0	18.5	.1	.5
Hardware, Plumbing and Heating Equipment	13.1	13.0	12.7	.1	.5
Machinery, Equipment, and Supplies	43.7	43.6	42.0	.1	1.7
Wholesale Trade-Nondurable Goods	101.0	100.8	97.2	.2	3.7
Groceries and Related Products	33.4	33.3	31.8	.2	1.7
Retail Trade	943.7	945.9	910.3	-2.1	33.4
Building Materials and Garden Supplies	37.7	38.6	36.1	-.9	1.6
Lumber and Other Building Materials	19.0	19.3	18.4	-.2	.7
General Merchandise Stores	125.8	125.5	122.9	.4	2.9
Department Stores	102.4	102.2	100.1	.2	2.4
Variety Stores	13.7	13.6	13.1	.1	.6
Food Stores	145.0	144.7	140.9	.2	4.0
Grocery Stores	128.0	127.6	124.5	.4	3.4
Automotive Dealers and Service Stations	104.0	103.6	100.3	.4	3.7
New and Used Car Dealers	45.6	45.4	44.1	.1	1.5
Gasoline Service Stations	36.4	36.2	34.3	.2	2.1
Apparel and Accessory Stores	51.4	51.4	47.3	.0	4.1
Furniture and Homefurnishings Stores	33.2	33.3	31.3	-.1	1.9
Eating and Drinking Places	325.2	327.2	318.0	-2.0	7.2
Miscellaneous Retail	121.4	121.6	113.4	-.2	8.1
Drug Stores and Proprietary Stores	32.6	32.6	30.8	-.1	1.8
Nonstore Retailers	23.2	23.0	21.2	.2	2.0
Finance, Insurance, and Real Estate	260.5	259.3	255.9	1.2	4.6
Finance	122.0	121.4	121.1	.6	.9
Depository Institutions	91.8	91.5	91.9	.3	.0
Commercial Banks	65.0	64.6	64.3	.4	.8
Insurance	93.1	93.0	91.2	.1	1.9
Insurance Carriers	71.0	71.0	70.0	.0	1.0
Life Insurance	25.8	25.8	25.8	-.1	.0
Fire, Marine, and Casualty Insurance	32.2	32.0	30.8	.2	1.4
Real Estate	45.4	44.9	43.6	.6	1.8
Services	1199.6	1196.9	1158.8	2.8	40.8
Hotels and Other Lodging Places	41.2	40.5	40.4	.7	.8
Personal Services	54.0	54.3	52.6	-.2	1.4
Business Services	220.4	216.5	207.0	3.9	13.3
Services to Buildings	33.8	33.7	32.4	.1	1.5
Personnel Supply Services	76.9	74.7	72.3	2.2	4.6
Computer and Data Processing Services	28.1	27.7	25.7	.5	2.5
Amusements, Including Motion Pictures	71.2	69.9	74.1	1.3	-3.0
Health Services	399.4	397.3	387.6	2.1	11.9
Nursing and Personal Care Facilities	86.7	86.4	83.7	.3	3.1
Hospitals	193.0	192.0	188.9	1.0	4.1
Legal Services	30.9	30.7	29.0	.2	1.8
Educational Services	49.1	55.7	48.5	-6.6	.7
Colleges and Universities	24.7	28.3	24.4	-3.6	.3
Social Services	75.3	74.7	72.0	.6	3.3
Residential Care	23.6	23.3	22.2	.3	1.4
Membership Organizations	82.2	82.4	79.1	-.2	3.1
Engineering and Management Services	88.7	87.9	86.0	.8	2.8
Engineering and Architectural Services	27.5	27.3	26.7	.2	.7
Accounting, Auditing, and Bookkeeping	21.5	21.4	20.9	.1	.6
Research and Testing Services	19.6	19.5	19.0	.1	.6
Management and Public Relations	20.1	19.8	19.3	.3	.9
Government	679.1	723.4	663.8	-44.4	15.3
Federal Government	96.1	100.0	97.9	-3.9	-1.7
U.S. Postal Service	34.0	34.0	34.6	.0	-.6
State Government	144.9	159.9	140.7	-15.0	4.2
State Government Hospitals	16.2	16.1	16.0	.1	.2
State Government Education[h]	64.2	79.7	62.3	-15.5	1.9
Local Government	438.0	463.5	425.2	-25.5	12.9
Local Government Hospitals	15.1	15.0	14.8	.1	.3
Local Government Education	234.3	263.5	228.2	-29.2	6.1

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Goods-Producing Industries	$550.51	$561.43	$517.49	41.8	42.5	41.3	$13.17	$13.21	$12.53
Mining	614.31	634.20	547.78	44.1	45.3	44.9	13.93	14.00	12.20
Coal Mining	722.50	743.38	686.38	42.4	43.6	42.5	17.04	17.05	16.15
Construction	620.49	620.93	616.27	39.0	39.6	40.2	15.91	15.68	15.33
General Building Contractors	546.67	558.81	548.33	39.7	40.7	40.2	13.77	13.73	13.64
Heavy Construction, Except Building	621.23	669.11	683.63	38.3	41.1	42.7	16.22	16.28	16.01
Special Trade Contractors	641.85	630.24	624.49	38.9	39.0	39.6	16.50	16.16	15.77
Manufacturing	535.09	547.82	509.50	42.4	43.0	41.9	12.62	12.74	12.16
Durable Goods[f]	553.37	571.14	526.23	42.6	43.4	42.2	12.99	13.16	12.47
Lumber and Wood Products	317.07	312.27	328.03	39.0	38.6	40.2	8.13	8.09	8.16
Millwork, Plywood and Structural Members	368.72	358.80	383.92	41.9	41.1	40.7	8.80	8.73	8.45
Furniture and Fixtures	383.68	386.14	374.33	41.3	41.7	40.6	9.29	9.26	9.22
Stone, Clay, and Glass Products	487.60	498.10	477.28	42.4	43.2	42.5	11.50	11.53	11.23
Primary Metal Industries	642.91	672.04	607.26	44.4	45.5	43.5	14.48	14.77	13.96
Blast Furnace and Basic Steel Products	666.54	678.76	637.24	46.0	46.3	44.5	14.49	14.66	14.32
Iron and Steel Foundries	657.84	739.91	598.12	42.8	45.9	42.3	15.37	16.12	14.14
Nonferrous Rolling and Drawing	689.28	712.66	649.79	41.8	42.7	41.6	16.49	16.69	15.62
Nonferrous Foundries	471.68	491.57	438.84	44.0	45.6	42.4	10.72	10.78	10.35
Fabricated Metal Products	509.62	533.68	498.42	41.5	42.9	41.5	12.28	12.44	12.01
Fabricated Structural Metal Products	470.40	493.19	444.80	42.0	43.3	41.3	11.20	11.39	10.77
Metal Forgings and Stampings	627.00	670.96	616.56	41.8	44.2	42.0	15.00	15.18	14.68
Industrial Machinery and Equipment	548.14	548.97	515.10	43.4	43.5	42.5	12.63	12.62	12.12
Construction and Related Machinery	441.52	462.98	420.79	38.9	40.4	39.4	11.35	11.46	10.68
Metalworking Machinery	536.67	534.38	514.04	44.5	44.2	43.6	12.06	12.09	11.79
Special Industry Machinery	522.89	524.81	485.90	44.2	44.4	42.4	11.83	11.82	11.46
General Industrial Machinery	634.50	630.90	563.98	45.0	45.0	42.5	14.10	14.02	13.27
Computer and Office Equipment	476.32	479.76	475.51	41.6	41.9	42.8	11.45	11.45	11.11
Refrigeration and Service Machinery	587.23	595.30	576.24	41.5	41.6	42.0	14.15	14.31	13.72
Electronic and Other Electric Equipment	457.25	458.59	445.21	40.5	40.8	40.4	11.29	11.24	11.02
Electrical Industrial Apparatus	468.47	454.07	430.08	42.9	42.2	42.0	10.92	10.76	10.24
Household Appliances	472.75	477.56	486.81	39.2	39.5	40.5	12.06	12.09	12.02
Electric Lighting and Wiring Equipment	467.26	481.19	438.90	39.2	39.9	38.5	11.92	12.06	11.40
Electronic Components and Accessories	338.99	345.28	323.93	40.5	41.7	39.6	8.37	8.28	8.18
Transportation Equipment	725.19	758.62	676.67	44.3	45.7	43.6	16.37	16.60	15.52
Motor Vehicles and Equipment	752.85	797.01	696.86	44.6	46.5	43.8	16.88	17.14	15.91
Aircraft and Parts	670.26	662.56	653.23	44.3	44.2	43.9	15.13	14.99	14.88
Instruments and Related Products	399.37	390.22	390.32	40.3	39.9	41.0	9.91	9.78	9.52
Measuring and Controlling Devices	384.55	373.84	389.35	39.2	38.7	40.6	9.81	9.66	9.59
Nondurable Goods[g]	494.00	497.12	474.44	41.9	42.2	41.4	11.79	11.78	11.46
Food and Kindred Products	474.43	476.40	462.42	41.8	41.9	42.0	11.35	11.37	11.01
Dairy Products	488.42	484.34	468.66	43.3	42.9	42.8	11.28	11.29	10.95
Preserved Fruits and Vegetables	470.44	494.51	488.64	39.4	40.6	41.8	11.94	12.18	11.69
Bakery Products	502.14	500.12	476.77	40.3	40.3	39.5	12.46	12.41	12.07
Apparel and Other Textile Products	308.50	301.42	292.93	39.4	38.3	36.8	7.83	7.87	7.96
Paper and Allied Products	524.50	517.87	495.35	44.6	44.3	43.3	11.76	11.69	11.44
Paperboard Containers and Boxes	472.48	467.37	419.92	44.7	44.3	41.7	10.57	10.55	10.07
Miscellaneous Converted Paper Products	486.86	477.20	456.57	44.1	43.7	43.4	11.04	10.92	10.52
Printing and Publishing	470.84	467.68	449.26	39.7	39.6	39.1	11.86	11.81	11.49
Newspapers	372.24	375.62	372.52	33.0	33.3	33.5	11.28	11.28	11.12
Commercial Printing	477.24	471.24	443.19	41.0	40.8	40.4	11.64	11.55	10.97
Chemicals and Allied Products	605.06	621.52	576.77	42.7	43.8	42.1	14.17	14.19	13.70
Plastics Materials and Synthetics	670.56	663.80	667.42	44.0	43.7	44.2	15.24	15.19	15.10
Rubber and Miscellaneous Plastics Products	461.16	467.99	445.82	42.0	42.7	41.9	10.98	10.96	10.64
Tires and Inner Tubes	723.60	741.29	712.40	45.0	46.1	46.2	16.08	16.08	15.42
Miscellaneous Plastics Products	444.29	452.83	427.87	41.6	42.4	41.3	10.68	10.68	10.36
Service-Producing Industries	.....	.....	.....	....	....	....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	629.82	623.70	599.46	42.1	42.0	41.6	14.96	14.85	14.41
Communications	577.67	572.40	576.80	40.2	40.0	41.2	14.37	14.31	14.00
Electric, Gas, and Sanitary Services	689.75	681.12	625.61	44.3	44.2	42.1	15.57	15.41	14.86
Wholesale Trade	417.48	415.74	405.97	39.2	39.0	39.3	10.65	10.66	10.33
Wholesale Trade-Durable Goods	410.82	411.45	393.51	39.2	39.0	39.0	10.48	10.55	10.09
Motor Vehicles, Parts, and Supplies	359.28	361.19	339.96	38.1	37.9	37.9	9.43	9.53	8.97
Metals and Minerals, Except Petroleum	462.89	468.03	451.26	41.0	41.2	41.9	11.29	11.36	10.77
Wholesale Trade-Nondurable Goods	428.46	424.24	424.91	39.2	39.1	39.6	10.93	10.85	10.73

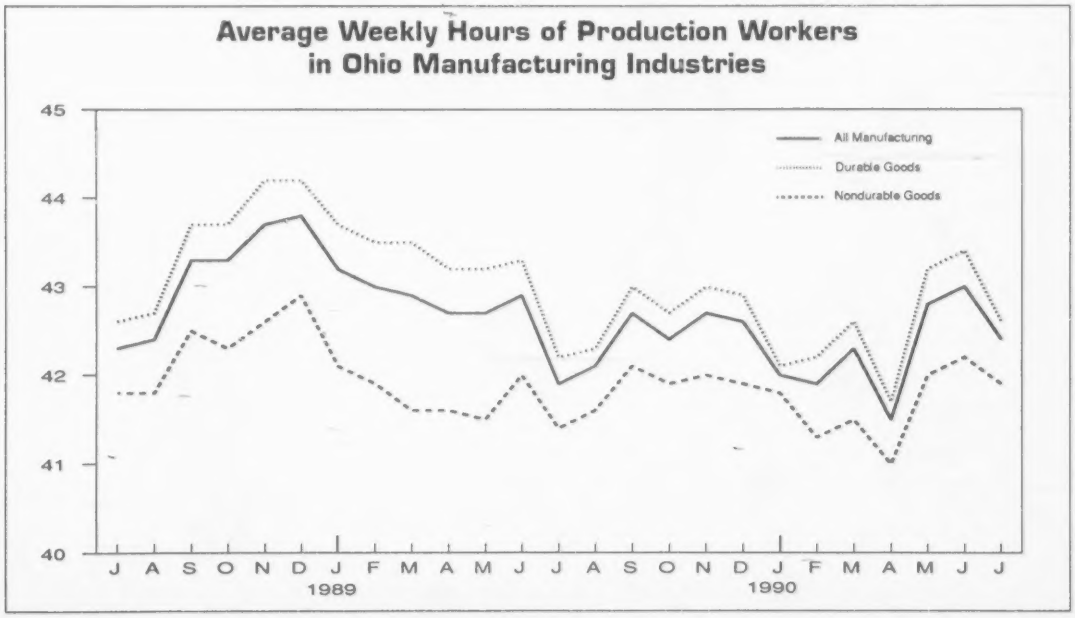
See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

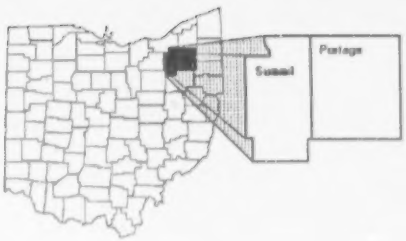
Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[p]	Jun. 1990[r]	Jul. 1989[r]	Jul. 1990[p]	Jun. 1990[r]	Jul. 1989[r]	Jul. 1990[p]	Jun. 1990[r]	Jul. 1989[r]
Retail Trade[j]	$181.26	$179.35	$177.51	28.5	28.2	29.1	$6.36	$6.36	$6.10
General Merchandise Stores	195.45	192.55	186.00	28.7	28.4	29.2	6.81	6.78	6.37
Department Stores	200.97	196.94	190.51	29.0	28.5	29.4	6.93	6.91	6.48
Finance, Insurance, and Real Estate	351.61	350.81	339.74	....	....	....	.....	.....	.....
Finance	325.61	324.40	319.01	....	....	....	.....	.....	.....
Depository Institutions	278.86	277.00	274.46	....	....	....	.....	.....	.....
Commercial Banks	273.79	273.15	271.48	....	....	....	.....	.....	.....
Insurance	419.60	418.39	400.42	....	....	....	.....	.....	.....
Insurance Carriers	407.86	407.06	388.29	....	....	....	.....	.....	.....
Life Insurance	383.06	384.54	363.36	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	435.47	434.54	414.29	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Business Services	243.46	244.61	217.83	32.9	33.1	31.8	7.40	7.39	6.85
Health Services	320.32	314.15	301.14	32.0	31.7	31.9	10.01	9.91	9.44
Nursing and Personal Care Facilities	217.40	211.82	199.39	32.4	31.9	31.8	6.71	6.64	6.27
Hospitals	378.01	369.36	355.45	32.7	32.4	32.7	11.56	11.40	10.87
Engineering and Management Services	479.12	480.48	447.34	35.1	35.2	34.2	13.65	13.65	13.08
Engineering and Architectural Services	665.37	673.25	615.35	32.6	33.1	31.0	20.41	20.34	19.85
Research and Testing Services	382.70	378.07	342.05	35.8	35.6	33.9	10.69	10.62	10.09

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Includes miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.



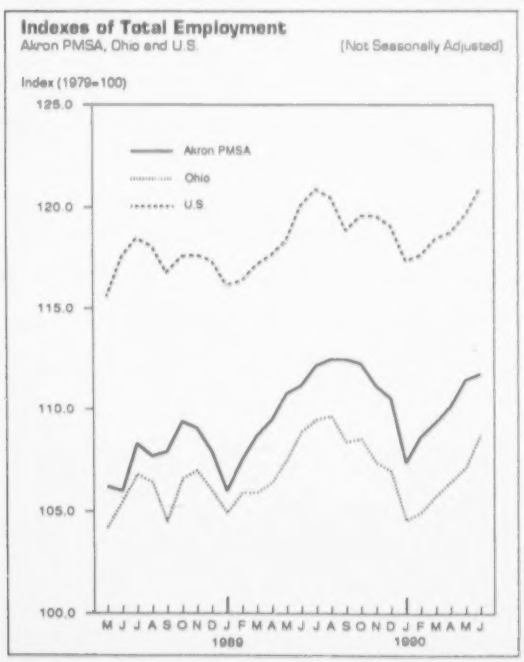
Akron Primary Metropolitan Statistical Area

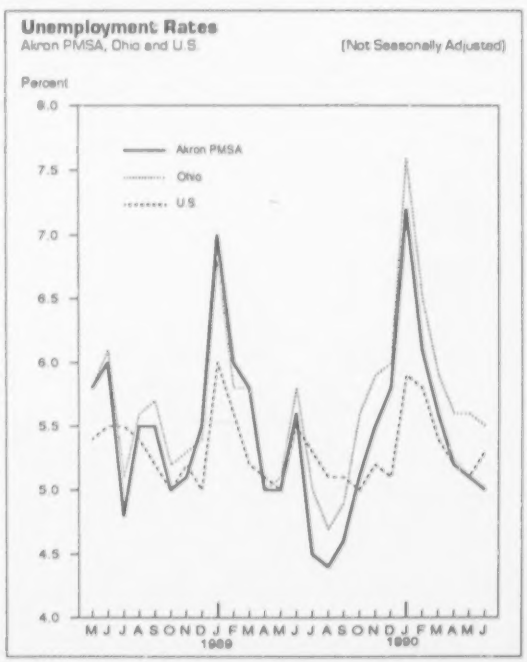


In the Akron metropolitan area, nonfarm payroll employment declined 1,300 from June to 289,800 in July 1990. The number of workers in service-producing industries dropped 1,100. Cyclical layoffs of nonteaching personnel in local and state schools and colleges and less business in retail trade outweighed an increase in services. Scattered decreases in manufacturing lowered employment in goods-producing industries 200 over the month to 79,500. Slight reductions were posted in fabricated metal products, industrial machinery and equipment, and transportation equipment. Factory production workers averaged $12.01 per hour, down 10 cents from June. Their average workweek of 42.7 hours was 0.6 hours shorter.

Nonagricultural wage and salary employment advanced 8,200 between July 1989 and July 1990. Service-producing industries gained 8,700 employees. A major portion of the growth occurred in services (+4,900) and in retail trade (+1,800). Employment in goods-producing industries decreased 500 during the period. Lowered production in durable-goods manufacturing, particularly transportation equipment and industrial machinery and equipment, overshadowed modest gains in construction.

Seasonally adjusted employment in the Akron area was unchanged from June at 291,000 in July 1990. Since July 1989, total payroll employment advanced 8,000. Leading growth industries were services (+4,000) and retail trade (+2,000). Manufacturing employment declined during the period.





Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	$321.57	41.6	$7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
333.0	315.1	17.8	5.4	1989	282.2	67.7	39.5	495.75	42.7	11.61
				1989						
335.3	320.1	15.1	4.5	July	281.6	68.5	40.1	482.05	42.1	11.45
336.0	321.1	14.9	4.4	August	281.6	68.0	39.7	491.18	42.6	11.53
336.5	321.1	15.4	4.6	September	289.1	68.1	39.7	511.49	43.2	11.84
337.8	320.6	17.2	5.1	October	288.5	67.9	39.4	497.78	42.4	11.74
335.9	317.3	18.6	5.5	November	289.1	67.8	39.1	502.79	42.9	11.72
335.3	315.7	19.5	5.8	December	289.4	67.7	38.9	504.70	43.1	11.71
				1990						
330.0	306.4	23.6	7.2	January	277.2	67.1	38.1	497.64	42.9	11.60
330.3	310.1	20.2	6.1	February	282.7	67.3	38.4	496.40	42.5	11.68
330.6	312.2	18.4	5.6	March	285.4	67.6	38.6	500.02	42.7	11.71
331.9	314.5	17.4	5.2	April	289.2	67.5	38.6	479.49	41.3	11.61
335.2	318.2	17.0	5.1	May	293.6	67.4	38.4	516.00	43.0	12.00
335.7	319.1	16.6	5.0	June	291.1	68.0	38.8	524.36	43.3	12.11
INA	INA	INA	INA	July	289.8	67.7	38.4	512.83	42.7	12.01

INA – Information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
271	95	9	86	1979	176	15	12	46	9	50	43
262	86	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
282	78	10	68	1989	204	13	15	55	10	66	44
				1989							
283	78	10	68	July	204	13	15	55	10	67	43
284	78	10	68	August	205	13	16	55	11	67	44
284	78	10	68	September	206	13	16	55	11	67	44
284	78	10	68	October	206	13	16	56	11	67	44
285	78	10	68	November	207	13	16	56	11	68	44
286	78	10	68	December	208	13	16	56	11	68	44
				1990							
285	78	10	68	January	206	13	16	56	11	67	43
288	79	10	68	February	209	13	16	57	11	68	45
288	79	10	68	March	210	13	16	57	11	69	45
289	79	11	68	April	210	13	16	57	11	69	45
290	78	10	67	May	212	13	16	57	11	70	45
291	79	10	68	June	213	14	16	57	11	71	45
291	78	10	67	July	213	14	16	57	11	71	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	289.8	291.1	281.6	-1.3	8.2
Goods-Producing Industries[e]	79.5	79.8	80.0	-.2	-.5
Construction	11.2	11.1	10.9	.0	.3
Manufacturing	67.7	68.0	68.5	-.3	-.7
Durable Goods[f]	34.3	34.6	35.0	-.3	-.7
Fabricated Metal Products	10.9	11.1	10.8	-.2	.1
Fabricated Structural Metal Products	4.9	4.8	4.8	.1	.1
Industrial Machinery and Equipment	10.0	10.1	10.3	-.1	-.3
Metalworking Machinery	3.8	3.8	3.9	.0	.0
Electronic and Other Electric Equipment	2.5	2.5	2.6	.0	-.1
Transportation Equipment	4.8	4.9	5.3	-.1	-.4
Nondurable Goods[g]	33.4	33.4	33.5	.0	-.1
Food and Kindred Products	3.0	3.0	3.1	.0	-.1
Chemicals and Allied Products	3.7	3.7	3.8	.0	-.1
Rubber and Miscellaneous Plastics Products	20.7	20.7	20.5	.0	.2
Tires and Inner Tubes	11.5	11.5	11.3	.0	.2
Service-Producing Industries	210.3	211.3	201.6	-1.1	8.7
Transportation and Public Utilities	13.6	13.6	13.1	.1	.5
Communications, Electric, Gas Services	4.7	4.7	4.8	.0	.0
Wholesale Trade	16.1	16.0	15.5	.1	.6
Retail Trade	56.9	57.4	55.1	-.5	1.8
General Merchandise Stores	7.5	7.6	7.3	-.1	.2
Food Stores	9.1	9.1	9.2	.0	-.1
Finance, Insurance, and Real Estate	10.8	10.7	10.5	.0	.2
Finance	5.4	5.4	5.4	.0	.0
Services	74.0	72.9	69.1	1.1	4.9
Business Services	12.5	12.2	11.5	.3	1.0
Personnel Supply Services	3.4	3.3	3.2	.1	.3
Amusements, Including Motion Pictures	9.9	9.0	8.1	.8	1.7
Health Services	22.4	22.2	21.6	.2	.8
Nursing and Personal Care Facilities	4.0	4.0	3.7	.1	.3
Hospitals	11.1	11.0	10.9	.0	.2
Social Services	4.7	4.7	4.6	.0	.1
Engineering and Management Services	5.4	5.3	5.0	.1	.4
Government	38.9	40.7	38.3	-1.8	.6
Federal Government	2.4	2.6	2.4	-.2	.0
State Government	11.6	12.2	11.2	-.6	.4
State Government Education[h]	8.5	9.2	8.2	-.7	.3
Local Government	24.8	26.0	24.6	-1.1	.2
Local Government Education	12.1	13.2	11.9	-1.1	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

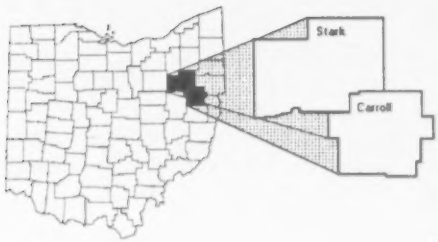
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$512.83	$524.36	$482.05	42.7	43.3	42.1	$12.01	$12.11	$11.45
Durable Goods[f]	520.38	541.29	484.36	42.9	43.9	41.9	12.13	12.33	11.56
Fabricated Metal Products	633.87	701.66	551.06	42.8	45.8	40.4	14.81	15.32	13.64
Fabricated Structural Metal Products	471.99	561.60	456.50	40.9	45.4	41.5	11.54	12.37	11.00
Industrial Machinery and Equipment	481.13	472.83	473.09	44.1	43.7	44.8	10.91	10.82	10.56
Metalworking Machinery	522.96	510.06	510.41	45.2	44.9	45.9	11.57	11.36	11.12
Electronic and Other Electric Equipment	447.53	434.89	374.78	42.5	42.1	38.4	10.53	10.33	9.76
Transportation Equipment	624.20	612.50	629.34	42.9	42.3	42.9	14.55	14.48	14.67
Nondurable Goods[g]	501.59	500.65	479.54	42.4	42.5	42.4	11.83	11.78	11.31
Food and Kindred Products	390.44	397.79	406.08	39.8	40.1	42.3	9.81	9.92	9.60
Chemicals and Allied Products	541.77	544.94	484.70	43.1	43.7	40.8	12.57	12.47	11.88
Rubber and Miscellaneous Plastics Products	524.79	520.52	494.16	44.1	44.0	43.5	11.90	11.83	11.36
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	589.11	595.73	606.74	40.6	41.0	41.7	14.51	14.53	14.55
Wholesale Trade	358.90	365.42	366.75	36.4	36.8	37.5	9.86	9.93	9.78
Retail Trade[f]	224.11	217.00	219.45	31.3	31.0	33.1	7.16	7.00	6.63
General Merchandise Stores	205.57	196.25	218.12	30.5	29.6	33.2	6.74	6.63	6.57
Food Stores	317.72	315.66	334.37	37.6	37.4	38.7	8.45	8.44	8.64
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	285.79	282.33	275.84	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

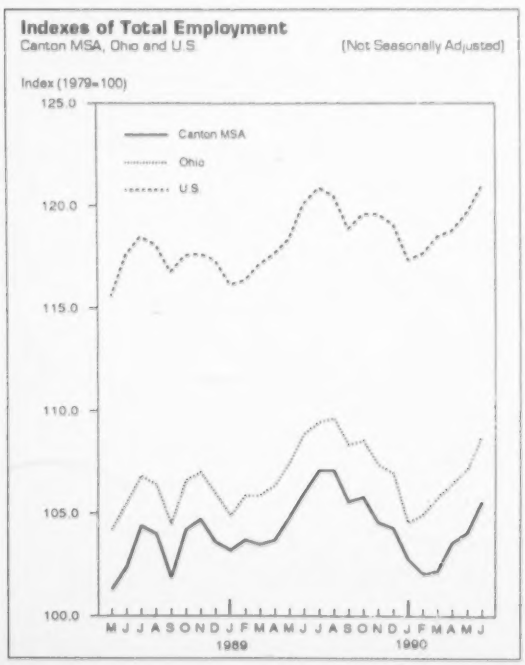
Canton Metropolitan Statistical Area

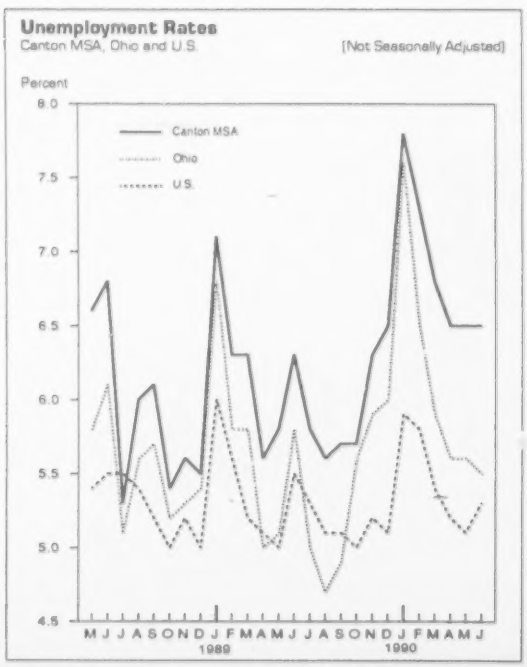


Nonfarm payroll employment in the Canton metropolitan area totaled 168,100 in July 1990, down 1,000 from the June level. Seasonal layoffs of nonteaching personnel in local schools and less business in retail trade and services lowered employment in the service-producing sector 1,300. The number of jobs in goods-producing industries increased 300 over the month to 54,400 primarily due to modest gains in construction and manufacturing, especially primary metal industries. Factory production worker average hourly earnings were down fractionally from June at $11.47. Their average workweek was 0.1 hours shorter at 42.3 hours.

Nonagricultural wage and salary employment advanced 2,900 between July 1989 and July 1990. Employment in service-producing industries increased 3,000. Primary growth sectors were services (+1,300) and retail trade (+1,200). The workforce in goods-producing industries declined 100. Over-the-year reductions in manufacturing, particularly fabricated metal products, negated modest growth in construction.

Seasonally adjusted employment in the Canton area decreased 1,000 from the June level to 167,000 in July 1990. Since July 1989, total payroll employment advanced 3,000. Gains were posted in services, retail trade, and government. Manufacturing employment declined during the period.





Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	$330.88	40.9	$8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.1	182.3	11.8	6.1	1989	164.1	45.6	32.5	466.91	41.8	11.17
				1989						
197.4	186.0	11.5	5.8	July	165.2	45.9	32.9	454.92	40.8	11.15
197.0	186.1	10.9	5.6	August	164.9	45.9	33.1	464.21	41.3	11.24
194.5	183.5	11.0	5.7	September	166.3	46.0	33.3	466.99	41.4	11.28
194.9	183.8	11.1	5.7	October	161.8	40.6	28.1	456.08	41.2	11.07
193.8	181.7	12.1	6.3	November	166.5	45.7	31.8	462.26	41.2	11.22
193.9	181.2	12.7	6.5	December	167.2	45.6	31.8	467.87	41.7	11.22
				1990						
193.6	178.5	15.1	7.8	January	163.1	45.5	31.8	475.45	42.3	11.24
191.3	177.3	14.0	7.3	February	162.7	45.4	31.8	473.91	42.2	11.23
190.3	177.5	12.9	6.8	March	163.3	44.8	31.2	472.36	42.1	11.22
192.6	180.0	12.6	6.5	April	165.5	44.1	30.3	474.31	41.9	11.32
193.4	180.8	12.6	6.5	May	167.8	44.8	31.0	479.94	42.1	11.40
196.3	183.5	12.8	6.5	June	169.1	45.4	31.7	487.60	42.4	11.50
INA	INA	INA	INA	July	168.1	45.5	31.8	485.18	42.3	11.47

INA – Information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
161	67	6	59	1979	94	8	7	27	8	28	18
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	53	7	46	1989	111	6	9	33	7	38	19
				1989							
164	53	7	46	July	111	6	9	33	7	38	19
164	53	7	46	August	111	6	8	33	7	38	19
165	53	7	46	September	111	6	9	33	7	38	19
160	48	7	40	October	112	6	9	33	7	38	19
165	53	7	46	November	111	6	9	33	7	38	19
166	53	7	46	December	112	6	9	33	7	39	19
				1990							
166	54	7	46	January	112	6	8	34	7	39	19
167	54	7	46	February	112	6	8	34	7	39	19
166	53	8	45	March	113	6	8	34	7	39	19
167	53	8	44	April	114	6	9	34	7	39	20
167	53	7	45	May	114	6	9	34	7	39	20
168	53	7	45	June	114	6	9	34	7	40	20
167	53	7	45	July	114	6	9	34	7	40	20

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	168.1	169.1	165.2	-1.0	2.9
Goods-Producing Industries[e]	54.4	54.1	54.5	.3	-.1
Construction	8.2	8.0	7.9	.2	.3
Manufacturing	45.5	45.4	45.9	.1	-.4
Durable Goods[f]	33.7	33.6	34.1	.1	-.4
Primary Metal Industries	11.7	11.6	11.5	.2	.2
Fabricated Metal Products	5.7	5.7	6.3	.0	-.6
Electronic and Other Electric Equipment	3.9	4.0	4.2	.0	-.2
Nondurable Goods[g]	11.8	11.8	11.8	.0	.0
Food and Kindred Products	3.4	3.4	3.3	.0	.1
Rubber and Miscellaneous Plastics Products	2.9	2.9	3.1	.0	-.2
Service-Producing Industries	113.7	115.0	110.6	-1.3	3.0
Transportation and Public Utilities	5.7	5.7	5.7	.0	.0
Communications, Electric, Gas Services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.7	8.6	8.6	.1	.1
Retail Trade	33.8	34.1	32.6	-.3	1.2
General Merchandise Stores	4.1	4.1	4.0	.0	.1
Food Stores	5.6	5.6	5.5	-.1	.1
Finance, Insurance, and Real Estate	6.9	6.9	6.9	.0	.0
Finance	4.0	4.0	3.9	.0	.1
Services	39.9	40.2	38.6	-.3	1.3
Health Services	16.2	16.2	15.8	-.1	.4
Nursing and Personal Care Facilities	3.9	3.9	3.8	.0	.1
Hospitals	7.6	7.6	7.5	.0	.1
Government	18.7	19.5	18.2	-.8	.5
Federal Government	1.4	1.5	1.4	.0	.0
State Government (Includes Education)	1.7	1.7	1.7	.1	.1
Local Government	15.5	16.3	15.1	-.9	.4
Local Government Education	8.6	9.6	8.4	-.9	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

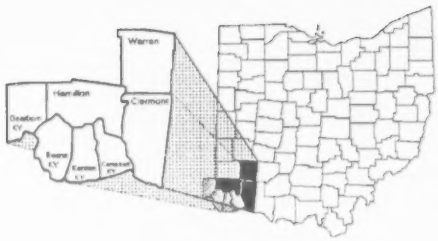
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$485.18	$487.60	$454.92	42.3	42.4	40.8	$11.47	$11.50	$11.15
Durable Goods[f]	509.01	511.92	476.10	43.1	43.2	41.4	11.81	11.85	11.50
Primary Metal Industries	578.42	560.35	486.49	46.2	44.9	42.6	12.52	12.48	11.42
Fabricated Metal Products	460.32	469.06	475.21	40.7	41.4	39.8	11.31	11.33	11.94
Electronic and Other Electric Equipment	508.95	524.96	533.58	37.7	38.6	40.7	13.50	13.60	13.11
Nondurable Goods[g]	411.93	417.91	388.78	39.8	40.3	38.8	10.35	10.37	10.02
Food and Kindred Products	422.07	434.32	400.37	38.9	39.7	37.7	10.85	10.94	10.62
Rubber and Miscellaneous Plastics Products	390.72	392.64	385.52	40.7	40.9	40.2	9.60	9.60	9.59
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	591.95	589.34	585.48	40.6	40.7	41.0	14.58	14.48	14.28
Wholesale Trade	382.53	385.84	378.62	38.6	38.7	37.9	9.91	9.97	9.99
Retail Trade[i]	174.09	173.10	166.45	28.4	28.1	28.6	6.13	6.16	5.82
General Merchandise Stores	185.12	191.19	194.69	28.7	29.1	31.2	6.45	6.57	6.24
Food Stores	168.15	163.39	160.46	28.5	27.6	28.5	5.90	5.92	5.63
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	195.27	188.43	177.30	30.8	30.1	29.5	6.34	6.26	6.01

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

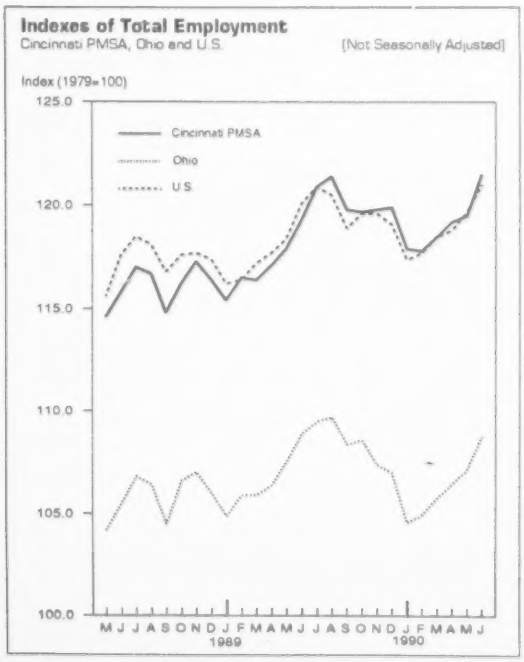
Cincinnati Primary Metropolitan Statistical Area

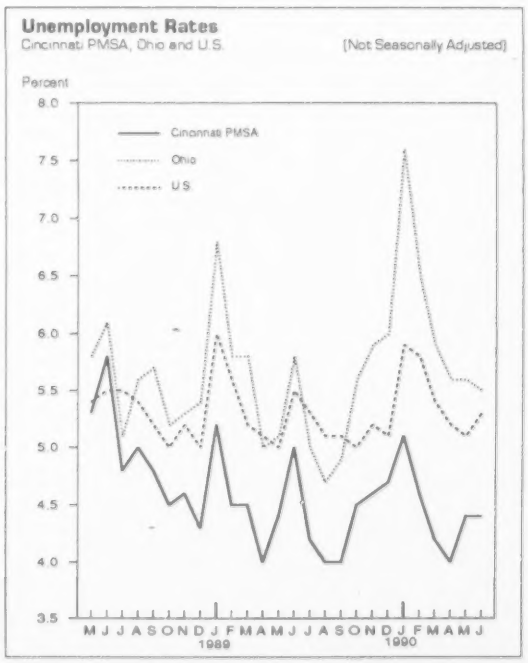


Nonagricultural payroll employment in the Cincinnati metropolitan area dropped 5,000 below the June level to 753,800 in July 1990. Seasonal layoffs of nonteaching personnel in local and state schools and colleges lowered employment in service-producing industries 5,400. The number of jobs in goods-producing industries increased 400 over the month to 186,800 as growth in construction outweighed declines in manufacturing. A labor-management dispute in fabricated metal products offset a gain in chemicals and allied products. Factory production workers averaged $12.01 per hour, down 10 cents from June. Their average workweek of 43.0 hours was 0.6 hours shorter.

Nonfarm wage and salary employment advanced 26,100 between July 1989 and July 1990. Growth in service-producing industries contributed 86.2 percent of the gain. Significant expansion occurred in retail trade (+8,800) and services (+6,800). Noteworthy improvements were also posted in local government, wholesale trade, and transportation and public utilities. Scattered gains in manufacturing and growth in construction raised employment in goods-producing industries 3,600 over the year. Moderate increases were recorded in transportation equipment, printing and publishing, food and kindred products, and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Cincinnati area was unchanged from June at 752,000 in July 1990. Since July 1989, total payroll employment advanced 26,000. Primary growth industries were retail trade (+9,000) and services (+6,000).





Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	$303.37	41.5	$7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
780.3	745.4	34.9	4.5	1989	726.4	146.7	92.6	497.64	42.9	11.60
				1989						
792.9	759.3	33.6	4.2	July	727.7	146.4	92.0	484.15	42.1	11.50
793.8	762.3	31.5	4.0	August	730.9	147.8	93.1	503.41	43.1	11.68
784.2	752.7	31.5	4.0	September	738.0	148.9	94.1	506.48	43.4	11.67
787.4	751.9	35.5	4.5	October	739.2	148.8	94.3	508.21	43.4	11.71
788.5	752.2	36.3	4.6	November	743.8	149.5	94.6	511.13	43.5	11.75
790.7	753.4	37.3	4.7	December	748.2	149.7	94.8	498.19	42.8	11.64
				1990						
779.7	740.3	39.4	5.1	January	726.3	148.9	93.7	502.04	42.8	11.73
775.6	739.7	35.9	4.6	February	727.9	149.1	93.9	498.53	42.5	11.73
777.2	744.5	32.7	4.2	March	735.1	148.3	93.1	515.70	43.3	11.91
780.3	748.7	31.5	4.0	April	744.8	147.8	92.7	490.73	41.8	11.74
784.6	750.3	34.3	4.4	May	753.0	148.0	92.8	519.60	43.3	12.00
798.2	763.1	35.1	4.4	June	758.8	148.8	93.4	528.00	43.6	12.11
INA	INA	INA	INA	July	753.8	148.7	93.0	516.43	43.0	12.01

INA – Information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
607	201	27	173	1979	406	34	38	102	32	117	83
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
726	181	34	147	1989	545	39	48	142	43	183	90
				1989							
726	181	34	146	July	545	39	48	142	43	183	90
729	181	34	147	August	547	40	48	143	43	183	91
730	182	34	148	September	548	40	48	144	43	184	90
733	183	34	148	October	551	40	48	145	43	185	90
737	183	35	148	November	554	40	49	145	43	188	90
740	184	35	148	December	556	40	49	146	43	189	90
				1990							
741	186	35	150	January	555	41	48	147	43	185	91
744	187	36	151	February	557	41	49	148	43	186	91
746	186	36	150	March	560	41	49	149	43	188	91
746	185	36	149	April	561	41	49	150	43	187	91
749	185	36	149	May	564	41	49	151	43	188	92
752	185	36	149	June	567	41	50	151	43	189	93
752	184	35	148	July	568	41	50	151	43	189	93

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	753.8	758.8	727.7	-5.0	26.1
Goods-Producing Industries[e]	186.8	186.4	183.1	.4	3.6
Construction	37.6	37.1	36.3	.5	1.4
Manufacturing	148.7	148.8	146.4	-.1	2.2
Durable Goods[f]	80.2	80.5	79.4	-.2	.8
Fabricated Metal Products	12.0	12.3	12.4	-.2	-.4
Fabricated Structural Metal Products	4.4	4.6	4.5	-.3	-.1
Industrial Machinery and Equipment	19.3	19.2	19.5	.1	-.1
Electronic and Other Electric Equipment	7.6	7.6	7.7	.0	-.1
Transportation Equipment	25.1	25.1	23.8	.0	1.3
Motor Vehicles and Equipment	5.0	5.0	4.6	.0	.4
Instruments and Related Products	3.5	3.6	3.5	-.1	.0
Nondurable Goods[g]	68.4	68.3	67.0	.1	1.4
Food and Kindred Products	12.3	12.3	12.0	-.1	.3
Beverages	2.8	2.8	2.8	.0	.0
Apparel and Other Textile Products	3.5	3.5	3.5	.0	.0
Paper and Allied Products	5.8	5.7	5.9	.1	.0
Printing and Publishing	14.6	14.6	14.2	.0	.4
Commercial Printing	6.4	6.3	6.2	.0	.2
Chemicals and Allied Products	22.7	22.5	22.5	.2	.2
Rubber and Miscellaneous Plastics Products	6.8	6.9	6.6	-.1	.3
Service-Producing Industries	567.0	572.4	544.6	-5.4	22.5
Transportation and Public Utilities	41.2	41.3	39.5	.0	1.8
Transportation	24.7	24.8	23.3	-.1	1.5
Trucking and Warehousing	11.3	11.2	10.6	.1	.7
Transportation by Air	6.7	6.6	6.2	.1	.5
Communications, Electric, Gas Services	16.5	16.4	16.2	.1	.3
Communications	9.7	9.6	9.8	.0	-.2
Wholesale Trade	50.1	50.0	47.9	.1	2.1
Wholesale Trade-Durable Goods	29.4	29.4	28.5	.0	.9
Retail Trade	151.6	151.6	142.8	-.1	8.8
General Merchandise Stores	22.3	22.4	21.0	-.2	1.2
Finance, Insurance, and Real Estate	43.7	43.4	43.4	.3	.3
Finance	17.7	17.6	17.5	.1	.2
Depository Institutions	13.9	13.8	13.7	.0	.1
Commercial Banks	9.7	9.7	9.5	.1	.2
Insurance	17.1	17.1	17.2	.1	-.1
Insurance Carriers	14.3	14.2	14.5	.0	-.2
Life Insurance	6.7	6.7	7.0	.0	-.2
Fire, Marine, and Casualty Insurance	5.3	5.3	5.1	.0	.2
Services	193.6	193.5	186.8	.1	6.8
Hotels and Other Lodging Places	8.1	8.0	7.7	.1	.3
Personal Services	8.5	8.6	8.1	-.1	.4
Business Services	38.3	38.0	36.6	.2	1.7
Services to Buildings	6.1	6.3	5.8	-.2	.3
Computer and Data Processing Services	4.9	4.8	4.6	.1	.4
Amusements, Including Motion Pictures	14.8	14.5	14.9	.2	-.1
Health Services	58.3	57.9	56.1	.3	2.2
Nursing and Personal Care Facilities	11.2	11.2	10.9	.1	.3
Hospitals	27.8	27.8	26.9	.1	.9
Legal Services	4.7	4.7	4.3	.0	.4
Educational Services	5.9	6.5	6.1	-.6	-.1
Social Services	12.6	12.4	11.9	.2	.7
Residential Care	5.0	4.9	4.7	.1	.3
Engineering and Management Services	17.2	17.2	16.5	-.1	.6
Engineering and Architectural Services	5.9	5.9	5.7	.0	.2
Government	86.9	92.6	84.2	-5.7	2.6
Federal Government	16.0	16.9	15.6	-.8	.4
State Government	19.2	21.0	18.8	-1.8	.5
State Government Education[h]	10.7	12.6	10.5	-1.9	.2
Local Government	51.6	54.8	49.8	-3.1	1.8
Local Government Education	26.4	30.0	25.2	-3.6	1.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

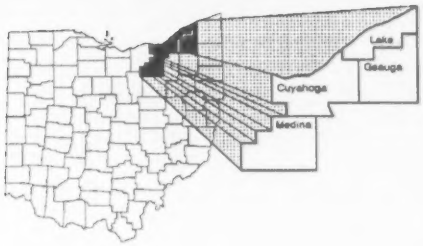
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$516.43	$528.00	$484.15	43.0	43.6	42.1	$12.01	$12.11	$11.50
Durable Goods[f]	500.98	523.41	466.75	42.6	43.8	41.6	11.76	11.95	11.22
Fabricated Metal Products	440.84	434.85	407.95	42.8	42.8	41.5	10.30	10.16	9.83
Fabricated Structural Metal Products	533.84	482.89	470.89	46.1	43.7	43.4	11.58	11.05	10.85
Industrial Machinery and Equipment	466.05	467.42	449.77	42.1	42.3	41.8	11.07	11.05	10.76
Electronic and Other Electric Equipment	393.71	377.07	362.39	41.4	41.3	40.4	9.51	9.13	8.97
Transportation Equipment	739.79	836.63	701.96	44.7	48.5	43.6	16.55	17.25	16.10
Motor Vehicles and Equipment	741.67	998.22	700.04	42.6	52.4	40.7	17.41	19.05	17.20
Instruments and Related Products	411.55	393.30	353.40	44.3	43.7	43.9	9.29	9.00	8.05
Nondurable Goods[g]	531.65	530.86	502.58	43.4	43.3	42.7	12.25	12.26	11.77
Food and Kindred Products	499.96	501.98	512.87	43.1	43.2	43.5	11.60	11.62	11.79
Beverages	575.88	578.51	527.90	42.5	42.6	41.6	13.55	13.58	12.69
Apparel and Other Textile Products	256.70	259.00	235.32	38.2	38.2	37.0	6.72	6.78	6.36
Paper and Allied Products	462.40	466.09	471.11	42.5	42.8	43.5	10.88	10.89	10.83
Printing and Publishing	514.16	503.86	469.80	41.7	41.3	40.5	12.33	12.20	11.60
Commercial Printing	544.72	533.92	487.90	44.0	43.8	42.5	12.38	12.19	11.48
Chemicals and Allied Products	677.38	682.42	600.74	45.8	45.8	43.5	14.79	14.90	13.81
Rubber and Miscellaneous Plastics Products	432.00	437.56	410.40	43.2	43.8	43.2	10.00	9.99	9.50
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	610.78	595.63	589.35	40.8	40.3	41.3	14.97	14.78	14.27
Communications	608.60	591.07	587.52	39.7	39.3	40.8	15.33	15.04	14.40
Wholesale Trade	438.59	438.65	425.41	39.3	39.2	39.1	11.16	11.19	10.88
Retail Trade[i]	179.38	179.27	173.46	28.7	28.5	29.6	6.25	6.29	5.86
General Merchandise Stores	227.55	220.70	203.74	31.3	30.4	30.5	7.27	7.26	6.68
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	307.72	303.35	285.25	....	....	....	.....	.....	.....
Commercial Banks	275.47	273.27	263.78	....	....	....	.....	.....	.....
Insurance	.....	.....	.....	....	....	....	.....	.....	.....
Insurance Carriers	415.43	415.22	397.95	....	....	....	.....	.....	.....
Life Insurance	426.72	425.19	409.33	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	423.60	425.71	409.68	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	437.22	433.95	383.36	32.8	32.9	31.5	13.33	13.19	12.17
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	680.52	640.56	613.50	42.8	40.8	40.9	15.90	15.70	15.00

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Cleveland Primary Metropolitan Statistical Area

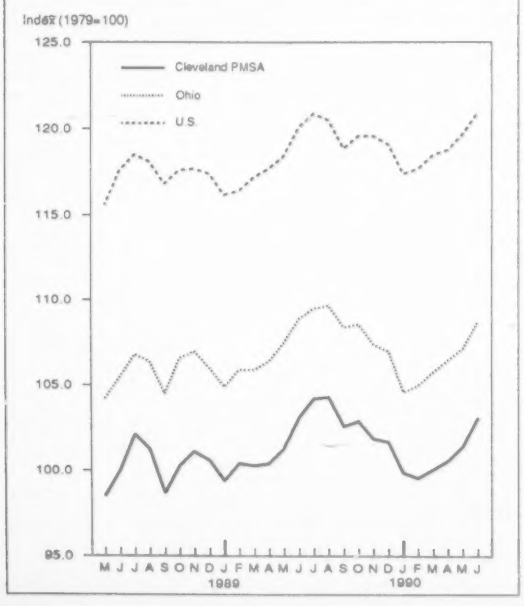


In the Cleveland metropolitan area, total nonfarm payroll employment declined 2,900 from June to 966,300 in July 1990. Employment in service-producing industries fell 3,200 primarily due to seasonal layoffs of nonteaching personnel in local public schools and in private schools. The number of jobs in goods-producing industries increased 200 to 245,500. Growth in construction, especially special trade contractors, overshadowed scattered decreases in manufacturing. Modest reductions were posted in rubber and miscellaneous plastics products and primary metal industries. Factory production workers averaged $12.16 per hour, down 15 cents from June. Their average workweek of 42.8 hours was 0.6 hours shorter.

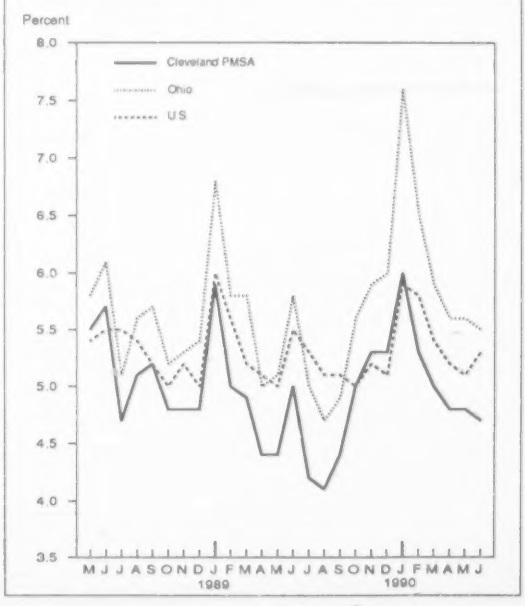
Nonagricultural wage and salary employment advanced 22,900 between July 1989 and July 1990. Service-producing industries contributed 86.9 percent of the improvement. Leading areas of expansion were services (+8,100) and retail trade (+6,100). Notable gains also occurred in wholesale trade and local government. Moderate growth in construction and manufacturing increased employment in goods-producing industries 2,900. Over-the-year gains in transportation equipment, printing and publishing, fabricated metal products, electronic and other electric equipment, and food and kindred products more than offset reductions in industrial machinery and equipment and primary metal industries.

Seasonally adjusted employment in the Cleveland area totaled 956,000 in July 1990, down 2,000 from June due to a decline in government. Since July 1989, total payroll employment advanced 22,000. Leading areas of expansion were services, retail trade, wholesale trade, and government.

Indexes of Total Employment
Cleveland PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Cleveland PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	$337.60	42.2	$8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
951.7	905.7	46.0	4.8	1989	935.2	207.0	133.3	509.87	43.1	11.83
				1989						
967.2	926.4	40.8	4.2	July	943.5	206.0	131.7	484.78	41.9	11.57
967.4	927.6	39.8	4.1	August	941.6	206.6	132.1	494.49	42.3	11.69
953.8	912.1	41.6	4.4	September	945.9	207.7	133.3	517.65	43.5	11.90
963.3	915.2	48.1	5.0	October	947.7	207.4	133.3	507.94	42.9	11.84
956.2	905.8	50.5	5.3	November	949.2	207.9	133.7	509.98	43.0	11.86
954.9	904.0	50.9	5.3	December	953.5	208.2	133.8	511.70	43.0	11.90
				1990						
945.1	888.0	57.1	6.0	January	926.5	205.6	131.3	495.33	42.3	11.71
935.5	885.7	49.8	5.3	February	928.4	206.6	132.3	502.60	42.2	11.91
936.8	890.1	46.7	5.0	March	936.0	206.1	131.8	522.88	43.0	12.16
939.2	894.4	44.9	4.8	April	947.1	206.7	132.1	498.78	41.6	11.99
947.1	901.5	45.5	4.8	May	958.9	207.2	132.4	531.72	43.3	12.28
961.9	916.6	45.3	4.7	June	969.3	208.1	133.0	534.25	43.4	12.31
INA	INA	INA	INA	July	966.3	207.3	132.2	520.45	42.8	12.16

INA – Information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
920	311	34	276	1979	608	48	66	147	48	182	118
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
935	241	33	207	1989	694	42	66	159	57	252	118
				1989							
934	240	33	206	July	694	42	66	159	57	253	117
935	241	33	207	August	694	42	67	160	57	253	116
939	241	33	207	September	698	42	67	160	57	253	119
941	241	33	207	October	700	42	67	160	57	253	120
941	241	33	207	November	700	43	67	161	57	254	119
944	242	34	207	December	702	43	67	161	57	255	119
				1990							
945	241	33	207	January	704	43	67	161	58	255	120
949	243	34	208	February	706	43	68	162	57	256	120
952	242	34	207	March	710	43	68	163	58	258	121
954	242	34	208	April	711	43	68	164	58	258	120
957	242	34	207	May	715	43	68	164	58	259	122
958	242	34	207	June	716	43	69	165	58	260	122
956	242	34	207	July	714	43	69	165	58	260	119

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	966.3	969.3	943.5	-2.9	22.9
Goods-Producing Industries[e]	245.5	245.2	242.5	.2	2.9
Construction	37.3	36.3	35.7	1.1	1.7
Special Trade Contractors	25.5	24.7	24.4	.8	1.1
Manufacturing	207.3	208.1	206.0	-.9	1.2
Durable Goods[f]	141.5	142.0	141.3	-.5	.2
Stone, Clay, and Glass Products	3.8	3.9	3.7	.0	.1
Primary Metal Industries	20.7	21.0	21.2	-.2	-.5
Iron and Steel Foundries	4.3	4.3	4.6	.0	-.3
Fabricated Metal Products	34.4	34.5	34.1	-.1	.3
Screw Machine Products, Bolts, etc.	5.0	5.0	5.2	.0	-.2
Metal Forgings and Stampings	11.0	11.0	10.7	.0	.3
Industrial Machinery and Equipment	33.1	33.2	34.2	-.1	-1.1
Metalworking Machinery	13.1	13.1	13.3	.0	-.2
Electronic and Other Electric Equipment	15.6	15.6	15.3	.0	.3
Electrical Industrial Apparatus	4.3	4.4	4.4	-.1	-.1
Electric Lighting and Wiring Equipment	5.2	5.2	5.1	.0	.1
Transportation Equipment	19.2	19.3	18.4	-.1	.8
Motor Vehicles and Equipment	12.1	12.1	11.2	-.1	.9
Instruments and Related Products	7.1	7.0	7.2	.0	-.1
Measuring and Controlling Devices	5.1	5.1	4.9	.0	.2
Nondurable Goods[g]	65.8	66.2	64.8	-.4	1.0
Food and Kindred Products	6.4	6.4	6.1	.0	.3
Apparel and Other Textile Products	3.2	3.2	3.3	.0	-.1
Paper and Allied Products	5.8	5.9	5.9	-.1	-.1
Printing and Publishing	17.5	17.4	16.9	.1	.6
Chemicals and Allied Products	15.0	15.1	14.8	-.1	.2
Rubber and Miscellaneous Plastics Products	11.9	12.2	11.8	-.3	.1
Miscellaneous Plastics Products	7.5	7.7	7.2	-.2	.4
Service-Producing Industries	720.9	724.0	700.9	-3.2	19.9
Transportation and Public Utilities	43.4	43.4	42.5	.0	.9
Transportation	26.4	26.2	24.9	.1	1.5
Trucking and Warehousing	11.8	11.7	11.5	.1	.3
Transportation by Air	5.4	5.4	5.0	.1	.5
Communications, Electric, Gas Services	17.1	17.2	17.6	-.1	-.6
Communications	10.0	10.0	10.3	.0	-.3
Electric, Gas, and Sanitary Services	7.1	7.1	7.3	-.1	-.3
Wholesale Trade	69.1	69.2	66.9	-.1	2.2
Wholesale Trade-Durable Goods	47.1	47.1	45.6	.0	1.4
Motor Vehicles, Parts, and Supplies	4.0	4.1	4.2	.0	-.1
Professional and Commercial Equipment	9.3	9.3	9.1	.0	.1
Retail Trade	166.4	166.4	160.3	.0	6.1
General Merchandise Stores	21.1	21.3	20.4	-.2	.7
Finance, Insurance, and Real Estate	58.6	58.3	57.6	.3	1.0
Finance	28.5	28.3	28.0	.2	.5
Depository Institutions	21.1	20.9	20.7	.2	.4
Commercial Banks	13.3	13.2	13.1	.1	.2
Insurance	18.6	18.7	18.6	-.1	.0
Insurance Carriers	14.1	14.1	14.1	-.1	.0
Fire, Marine, and Casualty Insurance	6.4	6.5	6.5	-.1	.0
Services	262.9	263.3	254.8	-.4	8.1
Business Services	55.5	55.2	52.6	.2	2.9
Personnel Supply Services	21.3	21.2	19.8	.1	1.5
Computer and Data Processing Services	7.1	7.0	6.4	.1	.7
Amusements, Including Motion Pictures	13.6	13.3	14.2	.3	-.6
Health Services	80.0	80.0	79.3	.0	.7
Nursing and Personal Care Facilities	13.7	13.7	13.3	.0	.4
Hospitals	43.8	43.9	44.2	-.1	-.4
Legal Services	10.1	10.1	9.7	.0	.4
Educational Services	15.3	17.1	14.4	-1.8	.9
Social Services	14.0	13.9	13.2	.1	.8
Residential Care	3.9	3.9	3.6	.1	.3
Engineering and Management Services	22.5	22.3	21.5	.3	1.0
Engineering and Architectural Services	8.3	8.2	8.0	.1	.4
Accounting, Auditing, and Bookkeeping	6.5	6.5	6.5	.0	.1
Management and Public Relations	4.9	4.8	4.4	.1	.5
Government	120.4	123.4	118.8	-3.0	1.6
Federal Government	20.1	21.1	20.7	-.9	-.6
State Government	8.2	8.5	7.7	-.3	.4
State Government Education[h]	2.8	3.2	2.5	-.5	.3
Local Government	92.1	93.8	90.3	-1.7	1.8
Local Government Education	42.4	46.0	42.7	-3.7	-.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

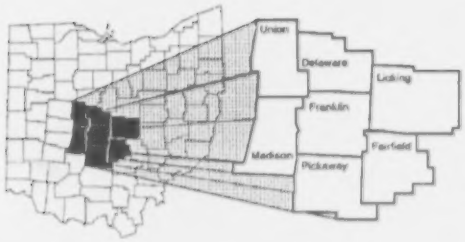
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[p]	Jun. 1990[r]	Jul. 1989[r]	Jul. 1990[p]	Jun. 1990[r]	Jul. 1989[r]	Jul. 1990[p]	Jun. 1990[r]	Jul. 1989[r]
Manufacturing	$520.45	$534.25	$484.78	42.8	43.4	41.9	$12.16	$12.31	$11.57
Durable Goods[f]	554.59	574.54	509.22	43.6	44.4	42.4	12.72	12.94	12.01
Stone, Clay, and Glass Products	493.07	495.33	479.64	41.4	41.8	41.1	11.91	11.85	11.67
Primary Metal Industries	518.96	573.50	526.14	43.5	45.3	44.4	11.93	12.66	11.85
Iron and Steel Foundries	764.74	999.44	774.98	43.9	52.0	45.4	17.42	19.22	17.07
Fabricated Metal Products	530.44	559.82	497.17	42.3	43.6	41.5	12.54	12.84	11.98
Screw Machine Products, Bolts, etc.	554.56	547.80	518.23	44.4	44.0	42.9	12.49	12.45	12.08
Metal Forgings and Stampings	649.08	717.54	588.35	42.9	45.5	41.0	15.13	15.77	14.35
Industrial Machinery and Equipment	585.15	578.93	487.30	46.7	46.5	41.9	12.53	12.45	11.63
Metalworking Machinery	590.19	587.25	505.44	48.1	47.9	43.2	12.27	12.26	11.70
Electronic and Other Electric Equipment	427.18	414.40	416.36	40.8	40.0	40.7	10.47	10.36	10.23
Electrical Industrial Apparatus	470.73	459.17	424.87	44.2	43.4	41.9	10.65	10.58	10.14
Electric Lighting and Wiring Equipment	391.68	367.00	382.78	38.4	36.7	38.9	10.20	10.00	9.84
Transportation Equipment	766.29	806.75	685.22	44.5	46.1	43.7	17.22	17.50	15.68
Motor Vehicles and Equipment	862.75	919.20	768.39	45.6	47.9	44.7	18.92	19.19	17.19
Instruments and Related Products	459.95	454.16	425.29	41.4	41.4	41.9	11.11	10.97	10.15
Measuring and Controlling Devices	454.69	461.47	464.40	41.0	41.8	43.2	11.09	11.04	10.75
Nondurable Goods[g]	437.63	437.72	424.09	40.9	41.1	40.7	10.70	10.65	10.42
Food and Kindred Products	441.54	438.59	440.73	39.6	39.3	41.5	11.15	11.16	10.62
Apparel and Other Textile Products	377.14	369.08	354.89	38.8	37.7	37.2	9.72	9.79	9.54
Paper and Allied Products	516.73	501.16	465.47	44.7	44.0	42.2	11.56	11.39	11.03
Printing and Publishing	375.64	396.79	363.82	36.9	38.3	37.2	10.18	10.36	9.78
Chemicals and Allied Products	547.84	540.59	536.98	42.6	42.3	43.2	12.86	12.78	12.43
Rubber and Miscellaneous Plastics Products	382.75	381.78	367.33	42.2	42.8	41.6	9.07	8.92	8.83
Miscellaneous Plastics Products	396.46	380.84	375.62	43.0	42.6	42.3	9.22	8.94	8.88
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	493.81	504.27	474.08	35.5	36.2	35.3	13.91	13.93	13.43
Communications, Electric, Gas Services	626.05	621.68	638.06	40.6	40.5	42.2	15.42	15.35	15.12
Wholesale Trade	463.34	466.09	445.90	39.5	39.6	39.6	11.73	11.77	11.26
Retail Trade[i]	194.02	192.64	186.48	28.2	28.0	28.0	6.88	6.88	6.66
General Merchandise Stores	188.36	186.73	188.86	27.7	27.5	28.4	6.80	6.79	6.65
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	320.06	319.30	324.48	....	....	....	.....	.....	.....
Depository Institutions	294.72	293.05	300.50	....	....	....	.....	.....	.....
Commercial Banks	286.41	285.75	297.15	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	340.20	337.90	318.78	31.5	31.2	31.1	10.80	10.83	10.25
Nursing and Personal Care Facilities	253.92	243.76	219.20	34.5	33.3	32.0	7.36	7.32	6.85
Hospitals	373.32	372.10	350.06	30.5	30.4	30.6	12.24	12.24	11.44

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Columbus Metropolitan Statistical Area

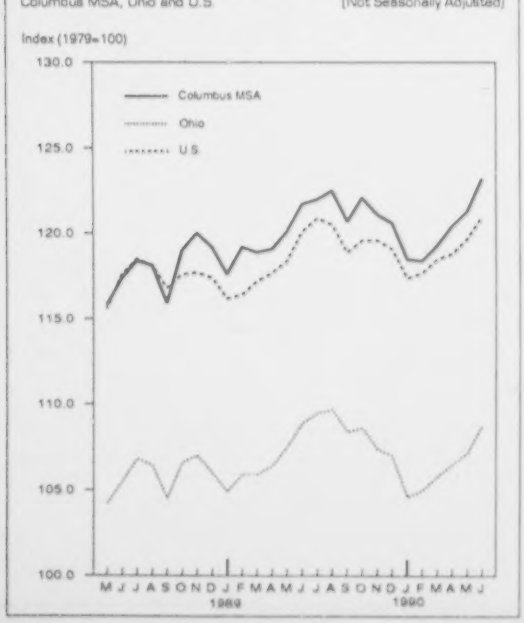


Nonagricultural payroll employment in the Columbus metropolitan area fell 9,400 below the June level to 724,600 in July 1990. Cyclical layoffs of nonteaching personnel in state and local schools and colleges lowered employment in service-producing industries 8,800. The number of employees in goods-producing industries declined 600 from last month to 137,700. A labor-management dispute in durable-goods manufacturing and decreased production in stone, clay, and glass products outweighed modest growth in construction employment. Factory production workers averaged $12.43 per hour, up fractionally from June. Their average workweek of 42.1 hours was 0.1 hours longer.

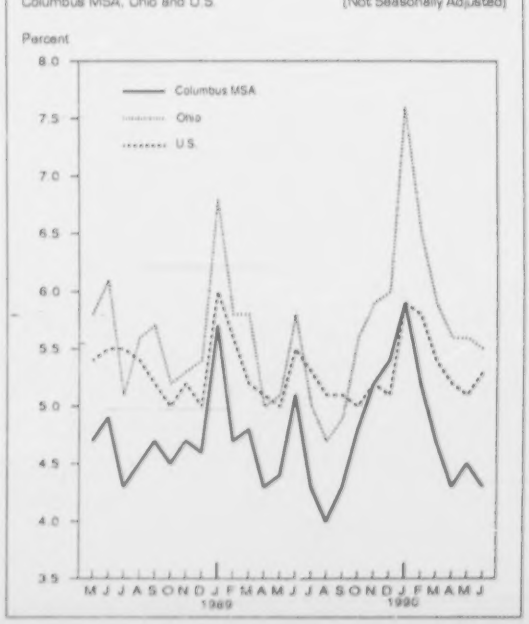
Nonfarm wage and salary employment advanced 25,600 between July 1989 and July 1990. The improvement was concentrated in the service-producing sector. Significant expansion occurred in services (+9,400) and retail trade (+7,800). Notable gains were also posted in local and state government, finance, insurance, and real estate, and wholesale trade. Employment in goods-producing industries increased 400 during the period. Modest growth in construction outweighed declines in manufacturing. The current labor-management dispute in durable goods and a reduction in electronic and other electric equipment negated improvements in transportation equipment, fabricated metal products, and printing and publishing.

Seasonally adjusted employment in the Columbus area rose 2,000 from June to 729,000 in July 1990. Increases in government, retail trade, and services more than offset a decline in manufacturing. Since July 1989, total payroll employment advanced 26,000. A major portion of the improvement occurred in services, retail trade, and government.

Indexes of Total Employment
Columbus MSA, Ohio and U.S. [Not Seasonally Adjusted]



Unemployment Rates
Columbus MSA, Ohio and U.S. [Not Seasonally Adjusted]



Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
730.3	695.6	34.7	4.8	1989	701.7	104.8	69.5	500.82	41.7	12.01
				1989						
735.9	704.4	31.5	4.3	July	699.0	105.1	69.4	496.84	41.3	12.03
736.7	707.5	29.2	4.0	August	700.7	105.2	69.8	496.39	41.4	11.99
728.2	697.0	31.2	4.3	September	706.2	106.1	70.7	504.15	41.7	12.09
740.3	704.9	35.4	4.8	October	712.9	105.5	70.5	512.02	41.9	12.22
737.5	699.1	38.5	5.2	November	716.6	105.9	71.2	519.82	42.4	12.26
736.1	696.2	39.9	5.4	December	718.6	105.2	70.6	525.64	42.7	12.31
				1990						
727.2	684.3	42.9	5.9	January	698.9	103.6	69.0	516.57	42.1	12.27
720.9	683.7	37.2	5.2	February	701.8	104.2	69.5	520.36	42.1	12.36
722.8	689.0	33.8	4.7	March	709.1	104.2	69.8	512.10	41.6	12.31
726.7	695.5	31.2	4.3	April	719.7	104.8	70.2	501.43	40.9	12.26
733.4	700.7	32.7	4.5	May	727.3	104.9	70.1	514.58	41.7	12.34
743.5	711.3	32.2	4.3	June	734.0	105.7	70.6	520.80	42.0	12.40
INA	INA	INA	INA	July	724.6	104.3	69.1	523.30	42.1	12.43

INA – Information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
558	142	23	118	1979	416	27	29	101	38	109	112
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
702	135	29	105	1989	567	31	37	143	60	171	125
				1989							
703	135	29	105	July	563	31	37	144	60	171	126
704	135	29	105	August	569	31	37	144	60	172	125
704	135	29	105	September	569	31	37	144	60	173	124
705	135	29	105	October	570	31	37	145	60	173	125
707	135	29	105	November	572	31	37	145	60	174	125
709	135	29	105	December	574	31	37	146	60	174	126
				1990							
710	135	30	104	January	575	31	38	147	61	174	126
712	136	30	105	February	577	31	37	147	61	175	126
717	136	30	105	March	581	31	38	148	61	176	127
721	136	30	105	April	585	32	38	150	61	178	128
724	137	30	105	May	588	32	38	150	61	179	128
727	137	30	106	June	591	32	38	151	61	179	129
729	135	30	104	July	594	32	38	152	61	180	131

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	724.6	734.0	699.0	-9.4	25.6
Goods-Producing Industries[e]	137.7	138.4	137.4	-.6	.4
Construction	32.5	31.8	31.4	.7	1.1
Manufacturing	104.3	105.7	105.1	-1.4	-.8
Durable Goods[f]	64.9	66.5	65.9	-1.6	-1.0
Stone, Clay, and Glass Products	9.6	10.0	9.7	-.4	-.1
Glass and Glassware, Pressed or Blown	3.0	3.5	3.3	-.5	-.3
Fabricated Metal Products	9.8	10.0	9.5	-.2	.3
Industrial Machinery and Equipment	9.9	9.9	10.0	.0	-.1
Electronic and Other Electric Equipment	9.1	9.1	9.4	-.1	-.3
Transportation Equipment	14.4	14.3	13.8	.1	.6
Motor Vehicles and Equipment	13.4	13.3	13.2	.1	.3
Instruments and Related Products	4.7	4.7	4.8	.0	-.1
Nondurable Goods[g]	39.4	39.2	39.2	.2	.2
Food and Kindred Products	10.9	10.8	10.8	.1	.1
Dairy Products	4.4	4.3	4.0	.1	.3
Printing and Publishing	11.1	11.0	10.7	.1	.3
Chemicals and Allied Products	7.0	7.0	7.0	.0	.0
Rubber and Miscellaneous Plastics Products	6.2	6.2	6.1	.0	.1
Service-Producing Industries	586.9	595.6	561.6	-8.8	25.2
Transportation and Public Utilities	31.8	31.6	30.9	.2	.9
Transportation	19.6	19.4	18.5	.2	1.2
Trucking and Warehousing	14.1	13.8	12.9	.3	1.2
Communications, Electric, Gas Services	12.2	12.2	12.4	.0	-.2
Communications	7.5	7.5	7.8	.0	-.3
Electric, Gas, and Sanitary Services	4.6	4.6	4.6	.0	.0
Wholesale Trade	38.4	38.6	37.3	-.2	1.1
Wholesale Trade-Durable Goods	24.8	25.1	24.2	-.3	.6
Motor Vehicles, Parts, and Supplies	3.2	3.2	3.2	.0	.0
Machinery, Equipment, and Supplies	5.6	5.8	5.5	-.2	.2
Wholesale Trade-Nondurable Goods	13.6	13.5	13.1	.1	.5
Retail Trade	150.8	151.2	142.9	-.4	7.8
General Merchandise Stores	21.3	21.1	20.4	.2	.9
Food Stores	17.3	17.1	16.4	.2	.9
Automotive Dealers and Service Stations	15.2	15.0	14.3	.3	1.0
Finance, Insurance, and Real Estate	61.9	61.4	60.5	.5	1.4
Finance	24.1	24.1	23.8	.1	.3
Depository Institutions	14.5	14.6	14.6	.0	.0
Commercial Banks	12.4	12.3	12.0	.1	.4
Insurance	28.3	28.1	27.8	.2	.5
Insurance Carriers	24.3	24.2	23.7	.1	.5
Services	181.6	180.9	172.2	.7	9.4
Business Services	39.1	38.5	36.3	.6	2.8
Personnel Supply Services	14.7	14.1	12.8	.6	1.8
Health Services	46.9	46.6	44.7	.3	2.2
Nursing and Personal Care Facilities	8.2	8.2	8.0	.1	.2
Hospitals	21.9	21.8	20.8	.1	1.1
Legal Services	4.7	4.7	4.5	.0	.2
Educational Services	6.1	6.7	5.6	-.6	.5
Social Services	12.8	12.8	12.4	.0	.4
Engineering and Management Services	18.6	18.4	17.7	.2	.9
Engineering and Architectural Services	4.8	4.7	4.5	.1	.3
Accounting, Auditing, and Bookkeeping	4.1	4.1	4.0	.0	.1
Research and Testing Services	6.4	6.4	6.1	.0	.3
Government	122.4	131.9	117.9	-9.5	4.5
Federal Government	16.0	16.5	16.2	-.6	-.3
State Government	53.1	58.6	51.2	-5.5	1.9
State Government Education[h]	18.6	24.6	18.2	-6.0	.4
Local Government	53.3	56.7	50.5	-3.4	2.8
Local Government Education	29.9	33.7	27.9	-3.7	2.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

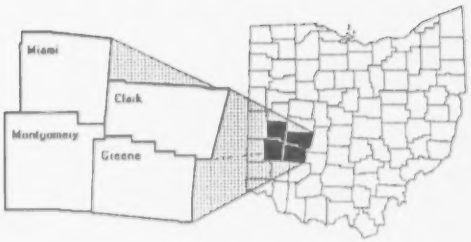
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$523.30	$520.80	$496.84	42.1	42.0	41.3	$12.43	$12.40	$12.03
Durable Goods[f]	541.45	538.48	512.91	42.4	42.3	41.7	12.77	12.73	12.30
Stone, Clay, and Glass Products	524.24	519.09	541.89	42.9	42.9	44.6	12.22	12.10	12.15
Glass and Glassware, Pressed or Blown	477.96	468.15	457.29	42.0	42.1	41.8	11.38	11.12	10.94
Fabricated Metal Products	520.15	541.73	507.78	40.7	41.8	40.3	12.78	12.96	12.60
Industrial Machinery and Equipment	557.80	535.62	482.10	44.2	43.3	41.1	12.62	12.37	11.73
Electronic and Other Electric Equipment	502.66	493.29	457.81	40.9	40.6	39.5	12.29	12.15	11.59
Transportation Equipment	638.13	631.31	601.66	44.1	43.3	42.4	14.47	14.58	14.19
Motor Vehicles and Equipment	645.45	637.11	605.63	44.3	43.4	42.5	14.57	14.68	14.25
Instruments and Related Products	442.32	445.63	416.99	41.3	41.3	39.6	10.71	10.79	10.53
Nondurable Goods[g]	489.22	484.79	466.42	41.6	41.4	40.7	11.76	11.71	11.46
Food and Kindred Products	441.84	435.97	426.12	42.0	41.6	41.9	10.52	10.48	10.17
Dairy Products	617.42	610.16	565.48	45.1	44.7	42.2	13.69	13.65	13.40
Printing and Publishing	565.80	554.58	525.31	41.0	40.1	38.4	13.80	13.83	13.68
Chemicals and Allied Products	616.69	615.08	585.31	41.5	41.7	41.6	14.86	14.75	14.07
Rubber and Miscellaneous Plastics Products	401.94	395.85	373.50	42.0	41.8	41.5	9.57	9.47	9.00
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	455.79	463.99	382.43	34.9	35.5	29.6	13.06	13.07	12.92
Communications, Electric, Gas Services	681.53	682.21	598.02	43.8	43.9	41.5	15.56	15.54	14.41
Communications	592.42	594.61	597.60	39.6	39.8	41.5	14.96	14.94	14.40
Electric, Gas, and Sanitary Services	829.56	826.92	598.43	50.8	50.7	41.5	16.33	16.31	14.42
Wholesale Trade	405.69	400.72	389.26	38.6	38.2	38.2	10.51	10.49	10.19
Retail Trade[f]	185.70	183.58	184.25	27.8	27.4	28.7	6.68	6.70	6.42
General Merchandise Stores	210.04	203.49	200.79	29.5	28.5	29.1	7.12	7.14	6.90
Food Stores	187.55	192.36	196.42	27.5	28.0	28.1	6.82	6.87	6.99
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	458.99	454.31	419.58	....	....	....	.....	.....	.....
Depository Institutions	298.33	295.94	284.53	....	....	....	.....	.....	.....
Commercial Banks	295.08	292.91	274.10	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	237.00	232.31	221.40	32.6	32.4	32.8	7.27	7.17	6.75
Hospitals	403.58	405.95	378.40	34.0	34.2	34.4	11.87	11.87	11.00
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	480.38	488.36	452.80	38.4	39.1	38.8	12.51	12.49	11.67

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Dayton-Springfield Metropolitan Statistical Area

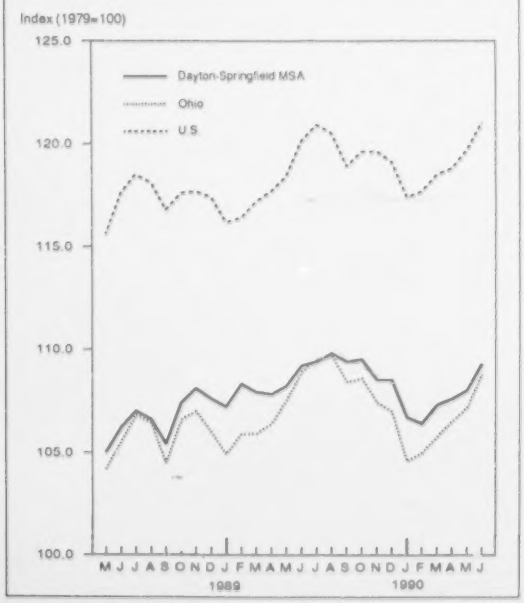


Nonfarm payroll employment in the Dayton-Springfield metropolitan area dropped 5,100 below the June level to 456,500 in July 1990. Employment in service-producing industries fell 5,000 due to seasonal layoffs of nonteaching personnel in local public schools and in private schools and less business in retail trade. The workforce in goods-producing industries decreased 100 to 125,200. Reductions in durable-goods manufacturing, especially industrial machinery and equipment and transportation equipment, negated modest gains in construction employment. Manufacturing production workers averaged $13.53 per hour, down 33 cents from June. Their average workweek was 1.4 hours shorter at 42.3 hours.

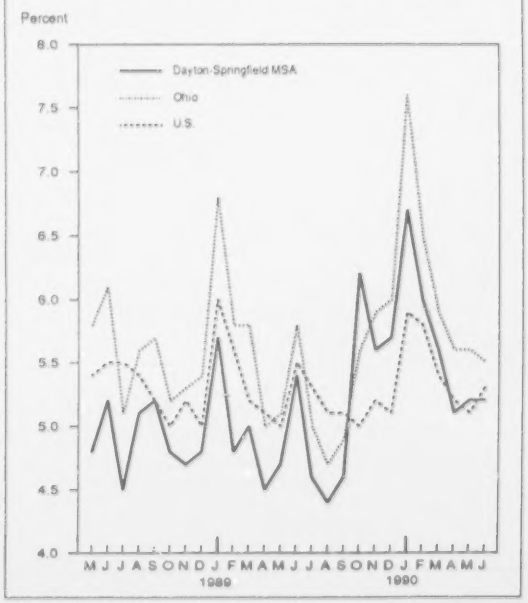
Nonagricultural wage and salary employment advanced 11,500 between July 1989 and July 1990. The number of jobs in service-producing industries rose 10,100. Leading areas of expansion were services, local government, retail trade, and transportation and public utilities. Employment in goods-producing industries increased 1,400 with noteworthy improvements in manufacturing and construction. Over-the-year growth in transportation equipment, especially motor vehicles and equipment, and in printing and publishing more than offset production cutbacks in industrial machinery and equipment, fabricated metal products, and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Dayton-Springfield area increased 1,000 from June to 460,000 in July 1990 with gains in transportation and public utilities, services, and government. Since July 1989, total payroll employment advanced 12,000. Primary growth sectors were services, government, transportation and public utilities, and retail trade.

Indexes of Total Employment
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)



Dayton-Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.6	454.1	24.4	5.1	1989	448.3	104.5	67.2	555.56	42.9	12.95
				1989						
479.7	457.5	22.2	4.6	July	444.9	104.5	66.3	539.33	42.3	12.75
480.0	459.0	21.0	4.4	August	445.4	104.7	66.7	531.70	41.8	12.72
479.3	457.4	21.9	4.6	September	454.0	105.0	67.4	555.54	42.8	12.98
487.6	457.6	30.0	6.2	October	453.3	101.7	65.1	552.12	42.8	12.90
480.4	453.5	27.0	5.6	November	455.2	102.3	65.8	555.53	42.7	13.01
480.9	453.5	27.3	5.7	December	458.3	104.3	68.0	551.51	42.1	13.10
				1990						
478.5	446.2	32.3	6.7	January	446.3	103.0	66.5	535.30	41.4	12.93
473.4	444.9	28.4	6.0	February	447.1	103.3	66.6	545.02	41.7	13.07
475.1	448.6	26.5	5.6	March	452.1	104.1	67.2	553.92	41.9	13.22
474.2	449.8	24.3	5.1	April	456.1	104.0	67.4	539.23	41.1	13.12
476.5	451.5	25.0	5.2	May	459.6	104.7	68.0	583.08	43.0	13.56
482.1	457.0	25.1	5.2	June	461.5	105.9	68.8	605.68	43.7	13.86
INA	INA	INA	INA	July	456.5	105.5	68.0	572.32	42.3	13.53

INA – Information not available

Dayton-Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
409	139	16	122	1979	270	16	17	68	16	80	74
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	326	17	21	80	18	114	76
				1989							
448	122	17	104	July	326	17	21	80	18	114	76
449	122	17	105	August	326	18	21	80	18	114	76
450	122	17	104	September	328	18	21	80	18	114	76
448	119	17	101	October	329	18	21	80	18	115	77
449	120	18	102	November	329	18	21	80	18	116	77
453	122	18	104	December	331	18	21	80	18	116	77
				1990							
453	122	18	104	January	330	18	21	81	18	115	78
454	123	18	104	February	331	18	21	81	18	116	77
457	124	18	105	March	333	18	21	82	18	117	78
456	123	18	105	April	333	18	22	82	18	117	77
458	123	18	105	May	335	18	22	82	18	117	78
459	124	18	105	June	335	18	22	82	17	117	78
460	123	18	105	July	337	19	22	82	17	118	79

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	456.5	461.5	444.9	-5.1	11.5
Goods-Producing Industries[e]	125.2	125.3	123.8	-.1	1.4
Construction	19.2	18.9	18.9	.4	.4
Manufacturing	105.5	105.9	104.5	-.5	1.0
Durable Goods[f]	75.4	76.0	75.1	-.6	.3
Fabricated Metal Products	8.5	8.6	8.8	-.1	-.3
Industrial Machinery and Equipment	31.1	31.3	32.0	-.2	-.9
Metalworking Machinery	8.3	8.3	8.7	.0	-.4
General Industrial Machinery	3.0	2.9	3.0	.1	-.1
Electronic and Other Electric Equipment	3.9	3.9	4.1	.0	-.2
Transportation Equipment	23.0	23.2	21.2	-.2	1.9
Motor Vehicles and Equipment	19.9	19.9	18.1	.0	1.8
Nondurable Goods[g]	30.1	29.9	29.4	.2	.7
Food and Kindred Products	2.6	2.6	2.7	.1	-.1
Paper and Allied Products	6.2	6.1	6.1	.1	.1
Printing and Publishing	9.4	9.3	9.0	.1	.4
Rubber and Miscellaneous Plastics Products	7.6	7.6	7.9	.0	-.3
Service-Producing Industries	331.3	336.3	321.1	-5.0	10.1
Transportation and Public Utilities	18.6	18.5	17.5	.1	1.1
Transportation	12.2	12.1	11.2	.1	1.0
Trucking and Warehousing	7.0	6.9	6.2	.0	.8
Communications, Electric, Gas Services	6.4	6.4	6.3	.0	.1
Communications	3.5	3.5	3.5	.0	.0
Wholesale Trade	21.7	22.0	21.2	-.3	.5
Wholesale Trade-Durable Goods	15.0	15.3	14.8	-.3	.2
Wholesale Trade-Nondurable Goods	6.6	6.6	6.4	.0	.2
Retail Trade	82.0	82.7	79.7	-.6	2.3
General Merchandise Stores	11.3	11.2	11.2	.1	.1
Finance, Insurance, and Real Estate	17.8	17.7	18.1	.1	-.4
Finance	9.5	9.4	9.9	.1	-.4
Depository Institutions	7.2	7.2	7.7	.0	-.4
Insurance	4.3	4.3	4.3	.0	.0
Services	117.5	117.5	113.4	-.1	4.1
Business Services	24.0	23.6	22.2	.4	1.7
Personnel Supply Services	6.9	6.6	6.4	.3	.5
Computer and Data Processing Services	5.6	5.5	4.9	.1	.7
Health Services	39.8	39.5	38.7	.3	1.1
Nursing and Personal Care Facilities	7.2	7.2	7.1	.0	.1
Hospitals	20.2	20.0	19.9	.2	.4
Educational Services	5.5	6.3	5.8	-.8	-.3
Social Services	5.8	5.9	5.9	-.1	.0
Engineering and Management Services	10.2	10.2	9.9	.0	.3
Research and Testing Services	3.5	3.5	3.3	.1	.2
Government	73.7	77.9	71.2	-4.2	2.5
Federal Government	28.4	28.8	29.5	-.4	-1.1
State Government	7.5	7.6	7.5	-.1	.0
State Government Education[h]	4.5	4.5	4.5	-.1	.0
Local Government	37.7	41.5	34.2	-3.7	3.5
Local Government Education	21.1	24.9	18.8	-3.8	2.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

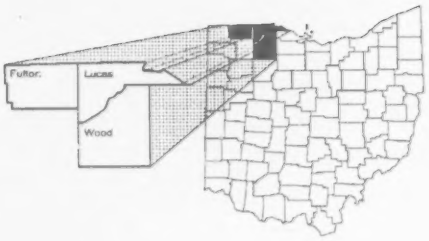
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$572.32	$605.68	$539.33	42.3	43.7	42.3	$13.53	$13.86	$12.75
Durable Goods[f]	591.82	631.28	554.67	42.7	44.3	42.7	13.86	14.25	12.99
Fabricated Metal Products	397.13	421.10	411.40	40.4	41.9	42.5	9.83	10.05	9.68
Industrial Machinery and Equipment	603.40	606.30	580.01	43.1	43.0	42.9	14.00	14.10	13.52
Metalworking Machinery	587.83	598.07	565.82	44.6	44.9	44.8	13.18	13.32	12.63
General Industrial Machinery	562.46	545.66	487.82	46.6	45.7	43.4	12.07	11.94	11.24
Electronic and Other Electric Equipment	384.73	387.50	368.76	42.7	43.2	42.0	9.01	8.97	8.78
Transportation Equipment	754.20	855.36	701.46	43.9	48.0	43.3	17.18	17.82	16.20
Motor Vehicles and Equipment	763.00	880.76	704.69	43.8	48.5	43.1	17.42	18.16	16.35
Nondurable Goods[g]	511.66	531.72	495.64	40.9	42.1	41.2	12.51	12.63	12.03
Food and Kindred Products	340.34	367.85	356.51	39.3	41.1	41.6	8.66	8.95	8.57
Paper and Allied Products	494.16	505.12	489.63	43.5	44.0	43.6	11.36	11.48	11.23
Printing and Publishing	463.34	455.12	464.47	39.5	38.8	39.8	11.73	11.73	11.67
Rubber and Miscellaneous Plastics Products	695.93	712.34	644.40	41.4	42.2	40.3	16.81	16.88	15.99
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	572.27	565.21	583.23	40.5	40.2	41.6	14.13	14.06	14.02
Communications	575.26	566.35	587.23	40.2	39.8	41.5	14.31	14.23	14.15
Wholesale Trade	399.40	398.59	401.00	39.9	39.7	40.1	10.01	10.04	10.00
Retail Trade[h]	179.22	177.37	171.03	29.0	28.7	28.6	6.18	6.18	5.98
General Merchandise Stores	185.76	182.17	176.53	28.8	28.2	28.2	6.45	6.46	6.26
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	271.92	273.38	261.33	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	421.26	416.93	382.70	34.7	34.6	34.2	12.14	12.05	11.19

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

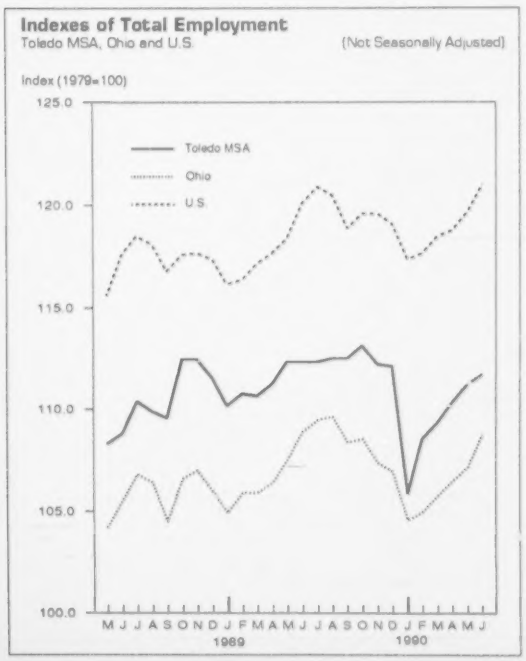
Toledo Metropolitan Statistical Area

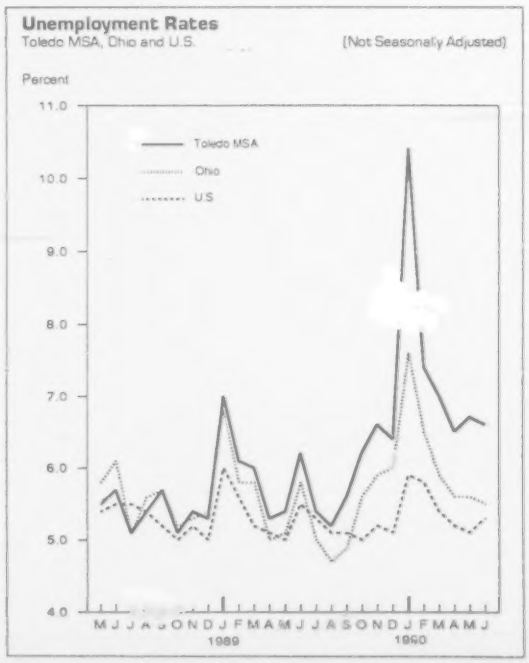


Nonagricultural payroll employment in the Toledo metropolitan area dropped 4,600 below the June level to 294,700 in July 1990. Cyclical layoffs of nonteaching personnel in local and state schools and colleges lowered employment in service-producing industries 4,600. The number of employees in goods-producing industries decreased 100 over the month to 73,600. Slight declines in manufacturing, especially transportation equipment, primary metal industries, and food and kindred products, counterbalanced modest gains in construction employment. Factory production workers averaged $13.46 per hour, down 4 cents from June. Their average workweek of 43.0 hours was 0.4 hours shorter.

Nonfarm wage and salary employment advanced 4,900 between July 1989 and July 1990. The improvement was concentrated in the service-producing sector. Leading areas of expansion were services (+2,600) and retail trade (+2,000). The workforce in goods-producing industries decreased 400 during the period. Over-the-year reductions in manufacturing overshadowed modest growth in construction. Production cutbacks among producers of nondurable goods and transportation equipment negated an increase in fabricated metal products.

Seasonally adjusted employment in the Toledo area totaled 298,000 in July 1990, down 1,000 from June. Decreases in transportation and public utilities and government outweighed an increase in services. Since July 1989, total payroll employment advanced 5,000. Growth in services, retail trade, government, and construction more than offset a decline in manufacturing.





Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
317.9	299.0	18.9	5.9	1989	293.7	61.6	44.0	576.81	43.5	13.26
				1989						
317.3	300.2	17.1	5.4	July	289.8	61.2	43.5	566.24	42.8	13.23
317.4	301.0	16.4	5.2	August	290.1	61.6	44.0	575.92	43.4	13.27
318.6	300.8	17.8	5.6	September	296.6	61.3	43.9	565.04	43.1	13.11
322.6	302.5	20.0	6.2	October	298.1	60.1	42.8	580.32	43.6	13.31
321.1	300.0	21.1	6.6	November	299.3	60.3	42.9	586.94	43.9	13.37
320.3	299.7	20.6	6.4	December	300.7	60.4	43.1	565.02	43.0	13.14
				1990						
315.8	283.0	32.8	10.4	January	281.2	51.1	34.3	522.88	42.1	12.42
313.2	290.2	23.0	7.4	February	289.9	59.2	42.3	551.34	41.8	13.19
314.3	292.3	22.0	7.0	March	292.7	59.0	42.3	588.60	43.6	13.50
315.5	295.1	20.4	6.5	April	297.1	59.9	43.2	581.79	43.0	13.53
318.8	297.5	21.3	6.7	May	300.1	59.6	42.9	589.37	43.4	13.58
319.9	298.7	21.2	6.6	June	299.4	60.3	43.3	585.90	43.4	13.50
INA	INA	INA	INA	July	294.7	59.9	43.0	578.78	43.0	13.46

INA – Information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
268	88	10	77	1979	180	18	14	47	9	53	39
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
294	74	12	62	1989	220	14	16	59	12	76	43
				1989							
293	74	12	62	July	219	14	16	59	12	76	42
293	73	12	61	August	220	14	16	59	12	77	43
294	72	12	60	September	221	14	16	59	12	77	43
293	72	12	60	October	221	14	16	59	12	77	43
294	72	12	60	November	222	15	16	59	12	77	44
296	73	12	60	December	223	15	16	59	12	77	44
				1990							
286	64	12	52	January	222	15	16	60	12	76	43
295	72	12	60	February	223	15	16	60	12	77	44
296	72	12	59	March	224	15	16	60	12	77	44
297	73	13	60	April	224	15	16	60	12	78	44
298	73	13	60	May	225	15	16	60	12	78	44
299	73	13	60	June	226	15	16	61	12	78	44
298	73	13	60	July	225	14	16	61	12	79	43

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	294.7	299.4	289.8	-4.6	4.9
Goods-Producing Industries[e]	73.6	73.7	74.0	-.1	-.4
Construction	13.4	13.1	12.6	.3	.8
Manufacturing	59.9	60.3	61.2	-.3	-1.2
Durable Goods[f]	45.0	45.2	45.4	-.1	-.4
Stone, Clay, and Glass Products	7.7	7.8	7.9	.0	-.2
Primary Metal Industries	3.5	3.5	3.4	-.1	.0
Fabricated Metal Products	7.4	7.3	7.0	.1	.4
Metal Forgings and Stampings	2.6	2.6	2.8	.0	-.2
Industrial Machinery and Equipment	5.7	5.6	5.9	.1	-.2
Transportation Equipment	13.8	14.0	14.4	-.2	-.6
Nondurable Goods[g]	14.9	15.1	15.8	-.2	-.8
Food and Kindred Products	3.8	3.9	4.0	-.1	-.2
Rubber and Miscellaneous Plastics Products	4.0	4.1	4.1	.0	-.1
Service-Producing Industries	221.1	225.7	215.8	-4.6	5.3
Transportation and Public Utilities	14.7	14.7	14.4	.1	.3
Transportation	9.9	9.8	9.4	.1	.4
Communications, Electric, Gas Services	4.9	4.9	5.0	.0	-.1
Wholesale Trade	16.4	16.4	16.0	.0	.4
Wholesale Trade-Durable Goods	10.9	10.8	10.6	.0	.3
Wholesale Trade-Nondurable Goods	5.5	5.6	5.4	-.1	.1
Retail Trade	60.4	60.8	58.4	-.4	2.0
General Merchandise Stores	8.2	8.1	8.1	.0	.1
Finance, Insurance, and Real Estate	12.1	12.1	12.3	.0	-.2
Finance	6.3	6.3	6.5	.1	-.1
Insurance	3.7	3.7	3.7	.0	.0
Services	79.5	79.4	77.0	.2	2.6
Business Services	14.2	14.0	13.8	.2	.4
Personnel Supply Services	5.5	5.4	5.4	.0	.0
Health Services	27.9	27.8	27.7	.1	.2
Nursing and Personal Care Facilities	4.2	4.1	4.2	.1	.0
Hospitals	15.1	15.1	15.2	.0	.0
Engineering and Management Services	6.6	6.5	6.0	.1	.6
Government	37.9	42.3	37.7	-4.4	.2
Federal Government	2.7	3.0	2.7	-.3	-.1
State Government	13.1	14.3	12.7	-1.1	.5
State Government Education[h]	8.6	9.8	8.3	-1.2	.3
Local Government	22.1	25.1	22.3	-3.0	-.2
Local Government Education	11.4	14.4	11.6	-3.1	-.2

Toledo MSA

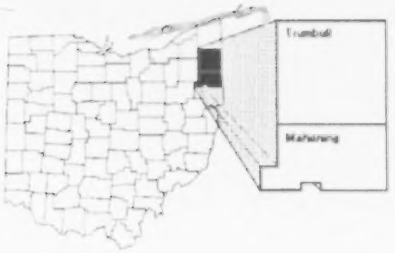
Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$578.78	$585.90	$566.24	43.0	43.4	42.8	$13.46	$13.50	$13.23
Durable Goods[f]	582.51	592.34	574.74	42.9	43.3	42.7	13.61	13.68	13.46
Stone, Clay, and Glass Products	544.94	559.95	485.62	43.7	44.3	41.9	12.47	12.64	11.59
Primary Metal Industries	526.32	560.48	464.09	45.1	47.7	41.4	11.67	11.75	11.21
Fabricated Metal Products	496.17	505.47	448.26	42.7	43.5	40.9	11.62	11.62	10.96
Metal Forgings and Stampings	663.59	703.95	585.96	41.5	43.4	40.3	15.99	16.22	14.54
Industrial Machinery and Equipment	509.12	520.37	491.42	43.0	43.4	42.4	11.84	11.99	11.59
Transportation Equipment	730.38	749.49	761.77	42.0	43.0	44.6	17.39	17.43	17.08
Nondurable Goods[g]	570.70	563.73	539.57	43.9	43.7	43.2	13.00	12.90	12.49
Food and Kindred Products	704.05	673.60	656.93	47.7	46.2	46.1	14.76	14.58	14.25
Rubber and Miscellaneous Plastics Products	370.39	393.27	378.86	41.2	42.7	43.2	8.99	9.21	8.77
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	646.46	657.90	609.22	41.6	42.2	41.5	15.54	15.59	14.68
Wholesale Trade	414.96	418.00	414.63	39.9	40.0	40.1	10.40	10.45	10.34
Retail Trade[i]	169.46	163.96	164.33	27.6	27.1	27.9	6.14	6.05	5.89
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	358.14	357.92	345.71	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor- management disputes.

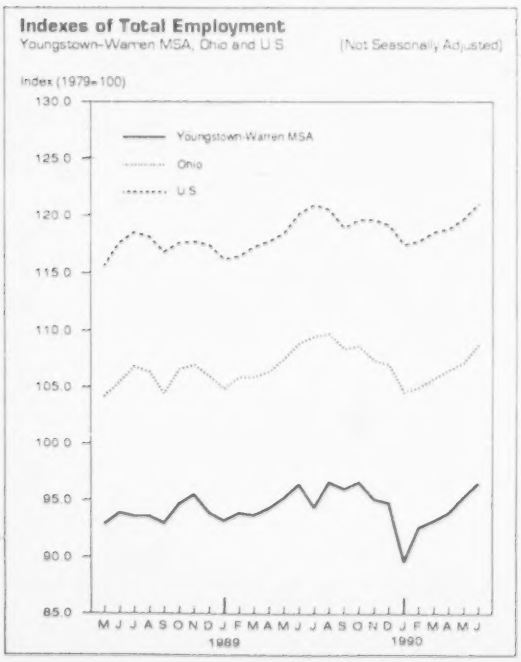
Youngstown-Warren Metropolitan Statistical Area

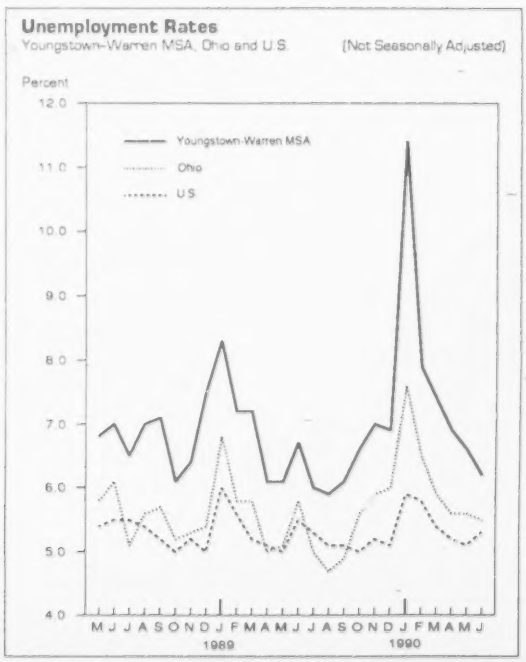


In the Youngstown-Warren metropolitan area, total nonfarm payroll employment fell 8,600 below the June level to 196,400 in July 1990. The workforce in goods-producing industries dropped 6,200 to 52,900 due to declines in manufacturing. Less business and temporary shutdowns due to model changeovers lowered employment in transportation equipment and primary metal industries. Seasonal layoffs of nonteaching personnel in state and local schools and colleges lowered employment in service-producing industries 2,400 over the month. Manufacturing production workers averaged $14.37 per hour, down 32 cents from June. Their average workweek of 42.2 hours was 1.1 hours shorter.

Nonagricultural wage and salary employment advanced 2,900 between July 1989 and July 1990. The improvement was concentrated in the service-producing sector. Leading areas of expansion were retail trade (+1,500), services (+1,500), and wholesale trade (+1,000). Employment in goods-producing industries declined 1,800 from the year-ago level chiefly due to reductions in durable-goods manufacturing, particularly transportation equipment.

Seasonally adjusted employment in the Youngstown-Warren area dropped 5,000 from June to 197,000 in July 1990. A significant decrease in manufacturing negated a modest gain in government. Since July 1989, total payroll employment rose 2,000. Growth in services, wholesale trade, retail trade, and government outweighed a reduction in manufacturing.





Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	$377.29	40.7	$9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.9	209.0	15.0	6.7	1989	198.1	50.0	37.8	599.63	42.8	14.01
				1989						
220.9	207.6	13.4	6.0	July	193.6	45.7	33.4	581.28	42.0	13.84
225.8	212.5	13.3	5.9	August	197.8	49.5	37.3	590.10	42.0	14.05
225.0	211.2	13.8	6.1	September	201.0	50.2	38.1	618.88	43.4	14.26
227.5	212.5	15.0	6.6	October	202.2	50.0	37.9	617.46	43.3	14.26
224.9	209.1	15.8	7.0	November	201.3	49.7	37.6	617.58	43.4	14.23
224.0	208.5	15.5	6.9	December	202.1	49.6	37.2	596.71	42.2	14.14
				1990						
222.3	197.0	25.3	11.4	January	189.0	41.5	29.2	579.83	42.2	13.74
221.0	203.7	17.4	7.9	February	196.2	49.2	36.9	591.63	41.9	14.12
221.3	205.0	16.3	7.4	March	198.2	49.3	37.0	596.24	41.9	14.23
221.7	206.5	15.2	6.9	April	200.8	49.3	37.1	602.45	42.1	14.31
224.2	209.5	14.7	6.6	May	204.4	49.8	37.5	628.72	43.3	14.52
226.4	212.2	14.1	6.2	June	205.0	50.1	37.8	636.08	43.3	14.69
INA	INA	INA	INA	July	196.4	43.7	31.3	606.41	42.2	14.37

INA – Information not available

Youngstown-Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
214	87	7	80	1979	127	10	8	38	7	37	26
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
198	58	8	50	1989	140	8	11	42	9	46	24
				1989							
195	55	8	47	July	140	8	11	42	9	46	24
199	58	8	50	August	140	8	11	42	9	47	24
199	58	8	50	September	141	8	11	42	9	47	24
200	58	8	49	October	142	8	11	43	9	47	25
199	57	8	49	November	142	8	11	42	9	47	24
200	58	8	50	December	142	8	12	42	9	47	24
				1990							
193	50	8	42	January	143	8	12	43	9	47	25
201	58	8	50	February	143	8	12	43	9	47	24
201	58	8	49	March	143	8	12	43	9	48	24
201	58	8	49	April	144	8	12	43	9	48	24
202	58	8	50	May	144	8	12	43	9	48	25
202	58	8	50	June	144	8	12	43	9	48	24
197	53	8	45	July	144	8	12	43	9	48	25

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	196.4	205.0	193.6	-8.6	2.9
Goods-Producing Industries[e]	52.9	59.2	54.8	-6.2	-1.8
Construction	8.7	6.5	8.7	.2	.0
Manufacturing	43.7	50.1	45.7	-6.4	-1.9
Durable Goods[f]	38.5	44.8	40.5	-6.2	-2.0
Primary Metal Industries	18.0	18.7	18.1	-.7	-.1
Blast Furnace and Basic Steel Products	6.1	6.1	6.2	.0	-.1
Fabricated Metal Products	7.3	7.4	7.1	-.1	.2
Metal Forgings and Stampings	3.9	3.9	3.5	.0	.4
Industrial Machinery and Equipment	4.3	4.3	4.4	.0	-.1
Transportation Equipment	4.0	9.4	5.6	-5.4	-1.6
Nondurable Goods[g]	5.2	5.4	5.1	-.2	.1
Service-Producing Industries	143.5	145.8	138.8	-2.4	4.7
Transportation and Public Utilities	8.0	8.0	7.8	.0	.2
Wholesale Trade	12.0	12.0	11.0	.0	1.0
Wholesale Trade-Durable Goods	7.4	7.4	7.1	.0	.3
Wholesale Trade-Nondurable Goods	4.6	4.6	3.9	.1	.7
Retail Trade	43.9	43.9	42.5	.1	1.5
General Merchandise Stores	5.3	5.2	5.4	.1	.0
Finance, Insurance, and Real Estate	8.8	8.9	8.8	-.1	.0
Finance	4.8	4.8	4.8	.0	.0
Services	48.8	48.8	47.3	.0	1.5
Health Services	21.5	21.4	21.2	.2	.3
Nursing and Personal Care Facilities	5.0	4.9	4.7	.1	.2
Hospitals	10.8	10.8	10.9	.0	-.1
Government	22.0	24.3	21.5	-2.3	.5
State Government	3.4	4.6	3.4	-1.2	-.1
State Government Education[h]	1.8	3.0	1.8	-1.2	.0
Local Government	16.5	17.6	15.9	-1.1	.6
Local Government Education	9.6	10.8	9.3	-1.2	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$606.41	$636.08	$581.28	42.2	43.3	42.0	$14.37	$14.69	$13.84
Durable Goods[f]	622.66	654.24	599.96	42.3	43.5	42.4	14.72	15.04	14.15
Primary Metal Industries	691.87	712.75	654.52	43.0	43.7	42.2	16.09	16.31	15.51
Blast Furnace and Basic Steel Products	669.24	670.18	621.06	46.8	46.8	45.3	14.30	14.32	13.71
Fabricated Metal Products	597.49	652.77	593.05	41.9	45.3	43.8	14.26	14.41	13.54
Metal Forgings and Stampings	715.28	805.16	711.68	42.5	48.3	45.1	16.83	16.67	15.78
Industrial Machinery and Equipment	510.47	519.16	483.48	41.3	41.8	40.8	12.36	12.42	11.85
Transportation Equipment	712.07	710.92	694.00	44.7	44.6	45.3	15.93	15.94	15.32
Nondurable Goods[g]	468.44	439.01	401.28	41.9	40.8	38.0	11.18	10.76	10.56
Wholesale Trade	373.16	375.44	372.30	38.0	38.0	38.5	9.82	9.88	9.67
Retail Trade[i]	182.27	178.85	182.47	27.7	27.6	28.6	6.58	6.48	6.38
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	225.26	225.10	218.92	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Minor Metropolitan Areas

Hamilton–Middletown PMSA
Nonagricultural payroll employment in the Hamilton-Middletown metropolitan area totaled 93,400 in July 1990, down 600 from June. Seasonal layoffs of nonteaching personnel in local schools lowered employment in service-producing industries 500. Goods-producing industries, at 27,600, lost 100 jobs due to reductions in durable-goods manufacturing, particularly primary metal industries and fabricated metal products. Factory production workers averaged $13.91 per hour, down 14 cents from June. Their average workweek was 0.8 hours shorter at 45.7 hours. Nonfarm wage and salary employment advanced 200 between July 1989 and July 1990. Employment in service-producing industries increased 900 primarily due to growth in services, especially health services. Noteworthy gains also occurred in retail trade, transportation and public utilities, and wholesale trade. The workforce in goods-producing industries declined 700 from the year-ago level as decreased production in manufacturing outweighed growth in construction and mining. Employment declined in primary metal industries, paper and allied products, and fabricated metal products.

Lima MSA
In the Lima metropolitan area, total nonfarm wage and salary employment, at 76,000 in July 1990, was unchanged from June. Modest growth in construction and mining raised employment in goods-producing industries 100 to 27,200. Seasonal layoffs of nonteaching personnel in local schools outweighed scattered increases to lower service-producing industries 100. Manufacturing production workers averaged $13.24 per hour, down fractionally from June. Their average workweek was 0.2 hours shorter at 41.9 hours. Nonagricultural payroll employment advanced 2,500 between July 1989 and July 1990. Expansion in service-producing industries, especially retail trade and services, created 2,300 jobs. Employment in goods-producing industries increased 200. Gains in construction and mining more than offset reductions in manufacturing. A modest decline in transportation equipment counterbalanced improvements in fabricated metal products and industrial machinery and equipment.

Lorain–Elyria PMSA
Total nonagricultural payroll employment in the Lorain-Elyria metropolitan area fell 1,700 from June to 93,700 in July 1990. Employment in service-producing industries declined 2,000 primarily due to seasonal layoffs of nonteaching personnel in local schools. Modest growth in construction and mining raised employment in goods-producing industries 300 over the month to 33,100. Manufacturing production workers averaged $13.41 per hour, down 10 cents from June. Their average workweek of 42.2 hours was 0.6 hours shorter. Nonfarm wage and salary employment advanced 1,100 between July 1989 and July 1990. Growth in retail trade, services, and local government helped raise employment in service-producing industries 1,800. The workforce in the goods-producing sector dropped 700. Over-the-year reductions in durable-goods manufacturing, especially transportation equipment, negated modest increases in construction and mining.

Mansfield MSA
Nonfarm wage and salary employment in the Mansfield metropolitan area totaled 60,600 in July 1990, down 600 from June. Seasonal layoffs of nonteaching personnel in local schools and less business in retail trade lowered employment in service-producing industries 700. Goods-producing industries, at 20,900, added 100 jobs. Growth in construction and mining outweighed scattered decreases in durable-goods manufacturing. Factory production workers averaged $13.52 per hour, unchanged from June. Their average workweek was 0.5 hours shorter at 41.8 hours. Nonagricultural payroll employment declined 100 between July 1989 and July 1990. Employment in goods-producing industries dropped 800 over the year. Reductions in durable-goods manufacturing, especially electronic and other electric equipment, negated nominal growth in construction and mining. Employment in the service-producing sector rose 600 primarily due to expansion in retail trade.

Steubenville–Weirton MSA
Nonagricultural payroll employment in the Steubenville-Weirton metropolitan area fell 1,000 below the June level to 53,400 in July 1990. Less business in services and seasonal layoffs of nonteaching personnel in local schools lowered employment in service-producing industries 1,000. Employment in goods-producing industries, at 20,800, was unchanged over the month. Manufacturing production workers averaged $11.72 per hour, up fractionally from June. Their average workweek of 43.8 hours was 0.2 hours longer. Nonfarm wage and salary employment advanced 1,800 between July 1989 and July 1990. The service-producing sector added 1,500 jobs primarily due to expansion in retail trade and services. Gains in construction raised employment in goods-producing industries 300.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	130.4	131.9	131.9	-1.4	-1.5
Employment	122.5	123.8	123.5	-1.3	-1.0
Unemployment	7.9	8.0	8.4	-.1	-.5
Unemployment Rate	6.1	6.1	6.4		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	93.4	94.0	93.1	-.6	.2
Goods–Producing Industries	27.6	27.7	28.3	-.1	-.7
Construction and Mining	6.3	6.3	5.9	.0	.5
Manufacturing	21.3	21.3	22.4	-.1	-1.2
Durable Goods	14.6	14.7	15.5	-.1	-.8
Primary Metal Industries	6.6	6.6	6.9	-.1	-.4
Fabricated Metal Products	2.4	2.5	2.5	-.1	-.1
Industrial Machinery and Equipment	2.4	2.4	2.4	.0	.0
Nondurable Goods	6.6	6.6	7.0	.0	-.3
Paper and Allied Products	4.7	4.6	5.0	.0	-.3
Paper Mills	3.5	3.4	3.8	.0	-.3
Service–Producing Industries	65.8	66.3	64.8	-.5	.9
Transportation and Public Utilities	3.5	3.5	3.3	.0	.2
Wholesale Trade	5.8	5.8	5.7	.1	.2
Wholesale Trade–Durable Goods	4.0	3.9	3.9	.1	.1
Retail Trade	17.9	17.9	17.6	.0	.3
Food Stores	3.0	3.0	3.2	.1	-.2
Finance, Insurance, and Real Estate	4.7	4.7	4.8	.0	-.2
Services	20.2	20.1	19.5	.0	.7
Health Services	8.5	8.5	8.1	.1	.4
Government	13.7	14.3	13.9	-.6	-.2
State Government	3.5	3.7	3.5	-.2	.0
Local Government	9.6	9.9	9.8	-.3	-.2
Local Government Education	6.0	6.4	6.0	-.4	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$635.69	$653.33	$604.27	45.7	46.5	45.4	$13.91	$14.05	$13.31
Durable Goods	659.27	686.83	616.06	46.2	47.4	45.6	14.27	14.49	13.51
Primary Metal Industries	773.33	816.08	738.46	49.1	50.5	49.1	15.75	16.16	15.04
Fabricated Metal Products	487.63	519.96	471.11	40.2	42.0	40.3	12.13	12.38	11.69
Industrial Machinery and Equipment	630.50	653.87	633.91	48.5	49.8	48.8	13.00	13.13	12.99
Nondurable Goods	580.65	571.03	571.71	44.7	44.3	44.7	12.99	12.89	12.79
Paper and Allied Products	603.13	593.43	600.44	45.9	45.3	45.8	13.14	13.10	13.11
Paper Mills	602.52	602.99	622.17	45.2	45.1	46.5	13.33	13.37	13.38
Wholesale Trade	433.65	443.92	427.91	41.3	41.8	42.2	10.50	10.62	10.14
Retail Trade[f]	178.13	178.23	167.61	28.5	28.7	28.7	6.25	6.21	5.84

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[f]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	80.2	79.1	79.9	1.1	.3
Employment	75.0	73.9	75.2	1.1	-.2
Unemployment	5.1	5.2	4.7	-.1	.5
Unemployment Rate	6.4	6.6	5.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	76.0	75.9	73.4	.0	2.5
Goods-Producing Industries	27.2	27.1	26.9	.1	.2
Construction and Mining	3.8	3.7	3.5	.1	.3
Manufacturing	23.4	23.4	23.4	.0	-.1
Durable Goods	17.0	17.1	17.2	-.1	-.2
Fabricated Metal Products	2.8	2.8	2.5	.0	.3
Industrial Machinery and Equipment	4.3	4.3	4.1	.0	.2
Transportation Equipment	7.2	7.3	7.7	-.1	-.5
Motor Vehicles and Equipment	3.5	3.6	3.5	-.1	.0
Nondurable Goods	6.4	6.3	6.2	.1	.2
Food and Kindred Products	2.0	1.9	1.9	.1	.1
Rubber and Miscellaneous Plastics Products	2.1	2.1	2.0	.0	.0
Service-Producing Industries	48.8	48.8	46.5	-.1	2.3
Transportation and Public Utilities	3.4	3.3	3.1	.1	.3
Wholesale Trade	3.5	3.5	3.5	.0	.0
Retail Trade	15.2	15.1	14.1	.1	1.1
General Merchandise Stores	2.2	2.2	2.0	.0	.2
Finance, Insurance, and Real Estate	2.1	2.1	2.1	.0	.0
Services	15.1	15.0	14.4	.1	.7
Health Services	6.6	6.6	6.1	.0	.5
Hospitals	3.1	3.2	2.9	.0	.2
Government	9.5	9.8	9.3	-.3	.2
Local Government	7.1	7.2	6.9	-.2	.2
Local Government Education	4.1	4.3	3.9	-.2	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$554.76	$558.67	$552.08	41.9	42.1	42.5	$13.24	$13.27	$12.99
Durable Goods	550.44	554.34	545.58	41.7	41.9	42.0	13.20	13.23	12.99
Fabricated Metal Products	352.48	370.18	351.55	40.1	41.5	39.5	8.79	8.92	8.90
Industrial Machinery and Equipment	449.86	439.88	472.12	39.6	39.1	40.7	11.36	11.25	11.60
Transportation Equipment	706.49	711.94	665.68	43.0	43.2	42.4	16.43	16.48	15.70
Motor Vehicles and Equipment	820.73	848.18	747.16	46.5	47.2	44.5	17.65	17.97	16.79
Nondurable Goods	570.95	569.50	569.84	42.8	42.5	43.8	13.34	13.40	13.01
Food and Kindred Products	384.19	370.87	377.01	41.4	40.4	42.6	9.28	9.18	8.85
Rubber and Miscellaneous Plastics Products	626.04	633.86	613.08	46.1	46.2	46.8	13.58	13.72	13.10
Wholesale Trade	369.19	364.22	370.17	38.1	37.9	38.6	9.69	9.61	9.59
Retail Trade[f]	190.95	191.14	178.20	30.7	30.1	29.8	6.22	6.35	5.98
General Merchandise Stores	169.20	171.88	167.82	28.2	27.5	27.2	6.00	6.25	6.17

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[f]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	120.2	118.9	122.2	1.3	-2.0
Employment	112.6	111.0	113.8	1.7	-1.2
Unemployment	7.6	8.0	8.3	-.4	-.8
Unemployment Rate	6.3	6.7	6.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	93.7	95.5	92.6	-1.7	1.1
Goods–Producing Industries	33.1	32.8	33.8	.3	-.7
Construction and Mining	4.7	4.5	4.5	.2	.3
Manufacturing	28.3	28.3	29.3	.0	-1.0
Durable Goods	23.6	23.5	24.7	.0	-1.2
Primary Metal Industries	4.3	4.4	4.4	.0	.0
Fabricated Metal Products	4.2	4.2	4.3	.0	-.1
Transportation Equipment	7.7	7.7	8.4	.0	-.7
Nondurable Goods	4.8	4.8	4.6	.0	.2
Service–Producing Industries	60.6	62.7	58.8	-2.0	1.8
Transportation and Public Utilities	3.4	3.6	3.2	-.1	.2
Wholesale Trade	2.4	2.5	2.5	.0	-.1
Retail Trade	17.6	17.7	16.9	-.1	.7
Finance, Insurance, and Real Estate	3.3	3.3	3.2	.0	.1
Services	21.1	21.5	20.7	-.3	.4
Health Services	8.7	8.7	8.4	.0	.3
Hospitals	4.2	4.2	4.1	.0	.1
Government	12.7	14.2	12.3	-1.5	.4
Local Government	10.5	11.8	10.3	-1.4	.2
Local Government Education	6.3	7.7	6.0	-1.4	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$565.90	$578.23	$546.48	42.2	42.8	41.4	$13.41	$13.51	$13.20
Durable Goods	597.92	611.51	573.61	42.8	43.4	41.9	13.97	14.09	13.69
Primary Metal Industries	632.26	637.06	558.55	44.4	44.8	40.8	14.24	14.22	13.69
Fabricated Metal Products	411.03	437.47	424.54	42.2	44.1	43.1	9.74	9.92	9.85
Transportation Equipment	721.63	764.62	651.25	42.7	44.3	40.3	16.90	17.26	16.16
Nondurable Goods	392.78	394.21	381.09	39.2	39.5	38.3	10.02	9.98	9.95
Wholesale Trade	366.91	361.37	362.16	38.3	38.2	38.9	9.58	9.46	9.31
Retail Trade[f]	167.40	165.54	172.06	27.0	26.7	28.3	6.20	6.20	6.08

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	65.2	64.4	66.8	.9	-1.6
Employment	61.0	60.0	62.4	1.0	-1.4
Unemployment	4.2	4.4	4.4	-.1	-.2
Unemployment Rate	6.5	6.8	6.6		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	60.6	61.2	60.8	-.6	-.1
Goods-Producing Industries	20.9	20.8	21.6	.1	-.8
Construction and Mining	2.5	2.3	2.3	.2	.2
Manufacturing	18.4	18.6	19.4	-.1	-.9
Durable Goods	16.4	16.5	17.3	-.1	-.9
Fabricated Metal Products	5.3	5.4	5.3	-.1	.0
Electronic and Other Electric Equipment	3.2	3.3	3.6	.0	-.4
Nondurable Goods	2.1	2.1	2.1	.0	.0
Service-Producing Industries	39.7	40.4	39.1	-.7	.6
Transportation and Public Utilities	3.0	3.0	3.0	.0	.0
Wholesale Trade	2.2	2.3	2.2	.0	.0
Retail Trade	12.4	12.6	11.7	-.2	.7
Finance, Insurance, and Real Estate	2.4	2.5	2.5	.0	.0
Services	12.6	12.7	12.5	-.1	.1
Health Services	4.4	4.4	4.4	.0	.1
Government	7.1	7.4	7.1	-.4	.0
Local Government	5.3	5.5	5.3	-.3	-.1
Local Government Education	3.5	3.8	3.6	-.3	-.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[e]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$565.14	$571.90	$549.93	41.8	42.3	42.4	$13.52	$13.52	$12.97
Durable Goods	583.08	589.53	580.64	41.5	41.9	42.6	14.05	14.07	13.63
Fabricated Metal Products	697.19	727.95	830.80	40.7	42.2	45.3	17.13	17.25	18.34
Electronic and Other Electric Equipment	443.30	441.10	457.97	40.3	40.1	41.9	11.00	11.00	10.93
Nondurable Goods	404.93	419.07	308.39	44.4	45.8	40.9	9.12	9.15	7.54
Wholesale Trade	343.14	341.85	328.80	39.9	40.6	40.0	8.60	8.42	8.22
Retail Trade[f]	166.96	165.36	161.01	26.8	26.8	28.1	6.23	6.17	5.73

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	58.5	57.4	57.4	1.1	1.1
Employment	55.1	53.9	53.6	1.2	1.5
Unemployment	3.4	3.5	3.8	-.1	-.4
Unemployment Rate	5.8	6.1	6.6		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	53.4	54.4	51.6	-1.0	1.8
Goods–Producing Industries	20.8	20.8	20.4	.0	.3
Mining	1.0	1.0	.9	.0	.0
Construction	2.0	2.0	1.7	.0	.4
Manufacturing	17.8	17.8	17.9	.0	-.1
Durable Goods	16.1	16.1	16.3	.0	-.2
Primary Metal Industries	12.8	12.8	13.0	.0	-.2
Nondurable Goods	1.7	1.7	1.6	.0	.1
Service–Producing Industries	32.7	33.7	31.2	-1.0	1.5
Transportation and Public Utilities	3.5	3.5	3.3	.0	.2
Wholesale Trade	1.4	1.4	1.4	.0	.0
Retail Trade	9.6	9.7	9.0	-.1	.6
General Merchandise Stores	1.8	1.7	1.6	.0	.2
Finance, Insurance, and Real Estate	1.7	1.7	1.7	.0	.0
Services	10.7	11.2	10.1	-.5	.6
Health Services	4.6	4.6	4.5	.0	.1
Hospitals	2.4	2.5	2.4	.0	.0
Government	5.9	6.2	5.7	-.3	.2
Local Government	5.0	5.3	4.8	-.3	.2
Local Government Education	2.9	3.2	2.9	-.3	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$513.34	$509.68	$500.09	43.8	43.6	43.0	$11.72	$11.69	$11.63
Durable Goods	542.39	536.98	528.94	44.9	44.6	44.3	12.08	12.04	11.94
Primary Metal Industries	573.42	573.29	554.40	45.8	45.9	45.0	12.52	12.49	12.32
Nondurable Goods	194.17	206.01	169.20	32.2	32.7	28.2	6.03	6.30	6.00
Wholesale Trade	337.05	336.31	323.40	39.7	39.8	38.5	8.49	8.45	8.40
Retail Trade[f]	168.60	163.41	165.59	28.1	27.1	29.0	6.00	6.03	5.71

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[f]Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods-Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service-Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	July 1990	June 1990	July 1989
New Applicants	34,159	32,579	27,022
Active File of Job Seekers	226,211	186,512	263,145
Counseling Interviews	721	720	456
Tests Administered	2,202	1,666	1,097
General Aptitude Tests	408	247	70
Proficiency Tests	321	264	280
Specific Aptitude Tests	0	185	95
Referrals to Jobs	25,314	23,230	19,261
Placements	7,342	6,414	7,551
Job Openings Received	INA	11,580	26,936
Job Openings Unfilled	17,590	19,766	24,355

INA = Information not available

Selected Unemployment Insurance Activities

	Ohio		
	July 1990	June 1990	July 1989
Initial Claims	66,696	38,085	62,654
Continued Claims	375,903	310,847	323,079
First Payments	20,720	17,406	21,828
Last Payments	6,573	6,553	6,155
Average Weekly Claimants	82,996	76,198	76,168
Average Weekly Benefit Recipients	66,915	67,701	60,480
Weeks Compensated	275,970	291,559	248,345
Benefits Paid	$44,830,414	$47,559,690	$37,618,942
Average Weekly Payment	$166.25	$166.79	$158.76
Continued Claims for Survey Week	89,540	75,642	70,095
Insured Unemployment Rate	1.8	1.7	1.7
Net Contributions	$34,060,195	$6,110,441	$61,006,917
Active Employer Accounts	207,019	207,048	204,637